The Repeater

The Vaca Valley Radio Club Newsletter

Field Day Is Almost Here!

Time for the club to come together outdoors!

The Newsletter for June 2025

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THE VACA VALLEY RADIO CLUB WELCOMES YOU

The Vaca Valley Radio Club has proudly served the Northern Solano County Area since 1988. We pride ourselves in providing a friendly place for radio amateurs to meet and improve their operating skills.

We participate in public service events throughout the year and are always ready to assist with communications during times of emergency.

Browse our website for more information about our club. If you have any questions, please e-mail us at w6vvr@w6vvr.net or call 707-448-5665 for assistance.

The Repeater is Published by the Vaca Valley Radio Club, PO Box 912, Vacaville, CA 95 696-0912.

An ARRL Affiliated Club. Founded 1987, Chartered 1988.

General Meetings: 2nd Thursday of each month at 7:00 PM.
See the directions on the last several pages.

Meetings Are Wheelchair Accessible

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A Message from The Editors of The Repeater

Welcome to June!

I wont sugar coat the lie. This month is a repeat of the June2024 newsletter, with a few additions and changes.

Most of the information is taken directly from that issue. It is ALL about Field Day.

If you aren't already planning for field day, you might really want to think about field day starting now.

Only another 20 plus days until Field Day is here.

Might be time to pull the pop ups out and check them for holes and worn out canopies or broken limbs. Check our cables and make sure we have all the equipment we need,

Time to plan "WHAT DO WE WANT THE PUBLIC TO SEE ABOUT US"?

A disorganized, sloppy group? or a group that looks professional enough to instill confidence.

Let the public see that we are professional.

We also need to plan what we will show the public about amateur radio

Let the public see that we aren't just interested in emergency communications.

Let the public see we are interested in Fox Hunts, Antenna Designs, Satellites, and all the other aspects of field day that go away when talking about emergency communications or during an emergency.

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Let's let the public see us for what we are. NOT just what happens during an emergency.

Let's show the public the other aspects of amateur radio that get shoved aside in pushing the emergency aspect of amateur radio.

In the Learning Corner we are going to learn how to make a VHF/UHF vertical ground plane using just Harbor Freight welding rods and an SO239 connector.

A quick and easy antenna to make in an emergency.

There is an explanation of the National Weather Service's Radio stations and how to program a weather receiver for emergency weather events.

That's all I have to say for this month

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A Message from The President

Unfortunately, as of the publishing deadline, I did not receive any message from the President Servando Miramontes, K6SRV

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A message from the Vice President

Unfortunately, as of the publishing deadline, I did not receive any message from the Vice President Dan Martin N6ETR

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A message from the Treasurer

The Club's Finances

Members, here is our financial status through May 2025.

As you can see we're in a much better shape than we were at the beginning of the year.

We will have large expenses coming for Field Day, later this month, and then the holiday dinner.

Vaca Valley Radio Club Notes 2025				
	PROJECT FUND	REPEATER FUND	TOTAL FUNDS	NON-DED FUNDS
2024 Foward	616.00	2748.90	5768.51	2403.61
YTD Received	0.0	377.00	2639.00	2262.00
YTD Paid	0.0	126.25	1027.14	900.89
YTD Funds	616.00	2999.65	7380.37	3764.72

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Here is the itemized expenses and income so far this year.

Vaca Valley Radio Club Itemized 2025							
PURPOSE	FNB IN	FNB OUT	PAYPAL IN	PAYPAL OUT	TOTAL IN	TOTAL OUT	DIFF
ARRL Dues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ARRL Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Club Badge/ Hat	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dinner or BBQ	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dues, Membership	179.00	0.00	581.00	66.77	760.00	66.77	693.23
Entertainment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Facilities Charge	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Field Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Insurance	0.00	200.00	0.00	0.00	0.00	200.00	−200.00
Mailbox	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous	1000.00	0.00	2.00	2.06	1002.00	2.06	999.94
Mailings	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meeting Snacks	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Name Badge	0.00	24.64	0.00	0.00	0.00	24.64	−24.64
Newsletter	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Supplies	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prize Fund	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Fund	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Repeater	55.00	125.00	322.00	1.25	377.00	126.25	250.75
Winter Field Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Web Page	0.0	0.00	0.00	107.42	0.00	107.42	−107.42
PayPal transfer to checking	500.00	0.00	0.00	500.00	500.00	500.00	0.00
PayPal Adjustment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1734.00	349.64	905.00	677.50	2639.00	1027.14	1611.80

Currently the club is in good shape financially, but donations are always welcome for things such as the meeting snacks, the web-page, and most definitely the club repeater,

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A Message from the Secretary

Unfortunately, as of the publishing deadline, I did not receive any message from the Secretary Mike Gregory WB6WYF

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Meetings recorded by the Secretary

VACA VALLEY RADIO CLUB MEETING
5/8/2025

Meeting opened by President Servando Miramontesat, K6SRV, 1902 hours.

Pledge of Allegiance held

Servando said there was no update on the Fusion system as Brian was not able to attend this meeting.

Servando talked about the clubs participation in the upcoming May Fair in Dixon this weekend.

The parade will be on Saturday 5/10/25. Those members participating will meet at the Dixon Chamber of Commerce office at 0800 on Saturday to pick up vests and breakfast tickets. The event is usually over by 1300 hrs. He will be sending a packet with all the necessary information to those members participating.
He took the names of those members who planned on being there.

Brian Steinberg reminded the members of the upcoming, Hamfest, on 5/25/25. It will be held at the Elks Lodge in Carmichael, Ca.

Servando gave an update on Field Day 2025.

We have the dates locked in with the Solano County Fair Board.

Our location will be in the upper portion of the race track.

There will be NO RV parking with Hookups. They are already designated for another event taking place at the same time as we will be at the fairgrounds.

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RVs are still welcome but will be parked at the Field Day site. AGAIN no RV hookups.

We will need to meet certain "Fire Code" requirements to use the fairgrounds. These are being worked on.

There will be NO flammable substances allowed in any tent or building.

Our site will be in an oval shape with the tents/popups at the center, vehicles etc next outward from center and the antennas on the outside of the oval.

The fair wants security if we are going to be going and coming after dark. The cost seems prohibitive at this moment so we may operate as we have done in the past with no night time ingress and egress. Options are being explored.

We may be renting popup covers for cooking etc. At this point that will be an, yet undetermined cost to the club.

Don gave a short talk about the upcoming "Cross Band" event with the military. Amateur Radio operators are able to participate and will be operating on Ham bands only. See Don for details if you interested. He is listed in out list of members.

Stephn Bartels started a talk on Arden network but due to unforeseen circumstances it will be held at a later meeting.

No further business appearing before the club the meeting was adjourned at 2030 hrs.

Respectfully submitted

Mike Gregory, WB6WYF
Secretary.

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This Month We Continue To Learning Morse Code.

This month we will be learning the last characters AA, AR, AS, BT, KN, SK, CT, and SN.

There are also two (2) other files included, BK and CL. Officially these are not prosigns as recognized by the IRTU, but are commonly used by amateurs.

I hope that everyone is learning correctly and efficiently and are mastering the characters for each month. I am available to do some online practice sessions using zoom as well, perhaps pick a few nights each week to go online and practice as a group. I believe that Monday, Wednesday and Fridays are good days to use since Tuesdays are the net and Thursdays is a meeting night.

The second Saturday night of the month I am still available to do ecomm and message practice so I usually am tied up with that.

With luck, by the end of June we can all be trained CW operators.

And who knows? Perhaps we can run a net on 10 meters some night all done in CW.

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Field Day is Coming!

And it will be here faster than you think

The club needs to start focusing on June field day.

We have the location, which is Solano Fair Grounds, now we need the volunteers to make the magic really happen.

We need people willing to assist in cooking,

Volunteer with setup and breakdown of the common areas, (The cooking and food tents).

We need someone to volunteer as a GOTA (Get on the air) station.

We need a Meet and Greet person at a table.

We need a volunteer to do club member check in as they arrive to the fairgrounds. Be a talk in for everyone attending.

We will need volunteers on Sunday to do a final policing of the area to ensure no one left anything behind, (pets, children, garbage, equipment, etc)

We need to start planning out and visualizing our sites.

We need all the club members to participate!

Lets show everyone that we can work as a team and a group.

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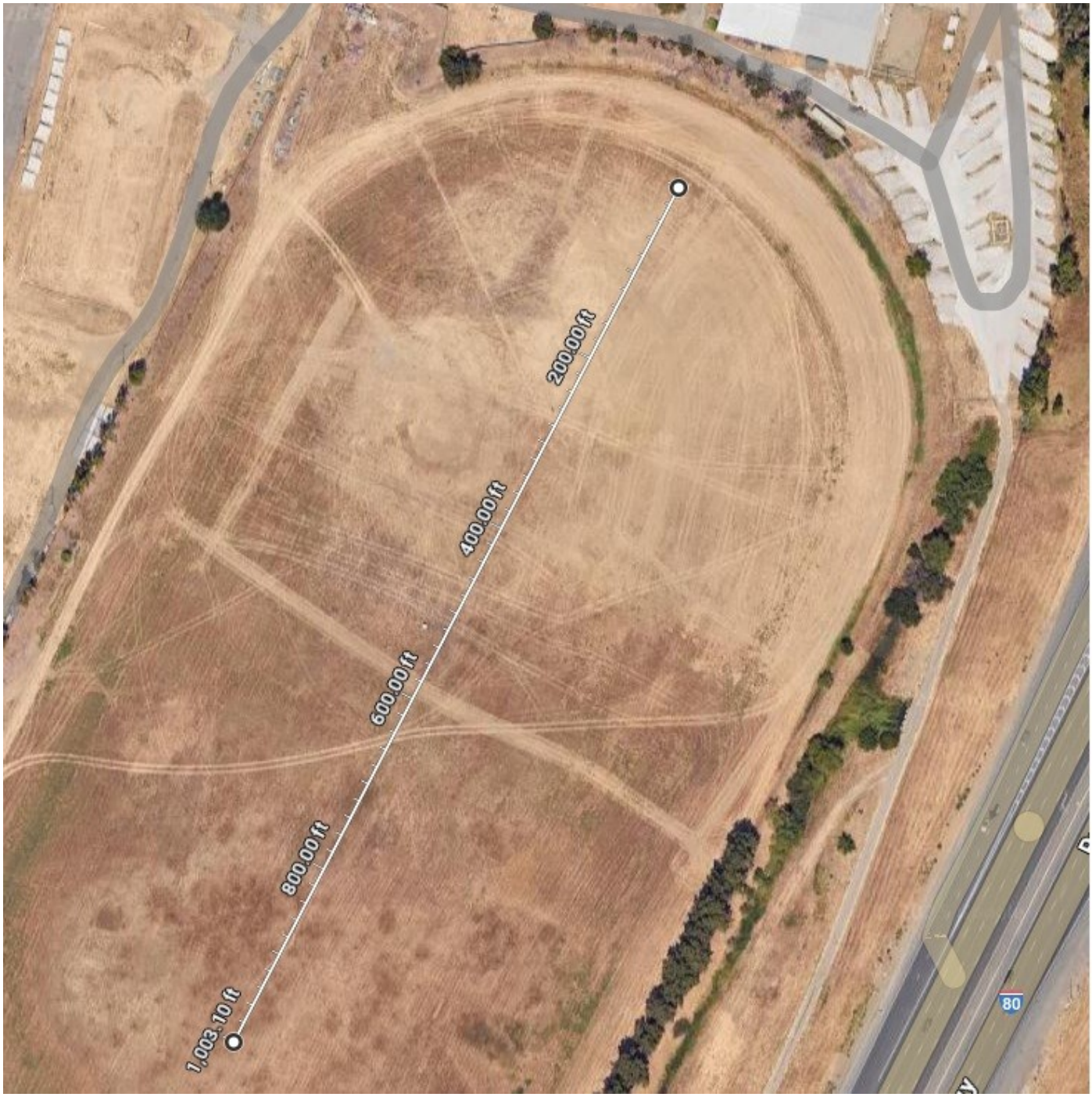

We have a lot of distance on the field.

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And the field is seriously wide!

As of the May meeting, the plan is to have everyone in a wagon train configuration. I have not received any updates changing the configuration as discussed.

The center will be the Common Area. Food, tables etc.

Tents (the few that will be there) will be outside the common area.

RV's and trailers will be outside of the tents and common area.

Other groups that will be joining us will be outside of the trailers and RV's

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EVERY PERSON ATTENDING, OR VEHICLE (FOR RV'S / TRAILERS), IS REQUIRED TO HAVE A FIRE EXTINGUISHER ON HAND. NO EXCEPTIONS.

THE FAIRGROUNDS PERSONNEL WILL BE CHECKING FOR THEM.

NOW – One great thing about being at the fairgrounds is.....

Across the highway there is a Home Depot, a Costco, a Target, as well as a CVS Pharmacy.

So if you realize you forgot that rope or you don't have enough wire...you can still get some (although to be fair...we are supposed to be working with only what we have on hand.)

There will be a foxhunt, tape measure antenna demonstration, AREDN demonstration, planned so far.

I am working on a video about programming the AREDN nodes and will have a class on that at some time during field day.

The entire board would love to see this field filled with all of the club members!

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Dressing Professionally

This month I am bringing up a proposal again about everyone looking professional in how we dress, and act. A proposal that we all should be dressed alike.

This is a reprint from last June's edition of the Repeater.

Lets discuss clothing when we are at an event or in the public eye.
Or
How to dress as if we are professionals.

Police, fire, military, nurses, doctors, emt's, even garbage men, all have the same outfit when they work. Granted nurses scrubs may be individualized but they still all wear scrubs.

ARE WE DRESSED SIMILARLY, AS IF WE HAVE A COMMON GOAL TO BE PROFESSIONAL, OR ARE WE DRESSED WEARING WHATEVER WE PUT ON THAT DAY WHEN WE SHOW UP TO ASSIST IN AN EVENT OR ARE OUT IN THE PUBLIC EYE?

If we want to be seen as professionals, we also need to dress the part.

When we are asked by an agency to assist them we should strive to be always dressed appropriately. Everyone wearing the same clothing as though we are coordinated. No matter what location we are responding from, we should still be able to coordinate our attire as a whole.

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We should still think of weather conditions, duration, hazards etc for additional clothing items.

The following is ONLY A PROPOSAL for an outfit we could consider for all of the club members to be using for ALL club activities and events. (And yes ladies, this would even be the outfit for you. No favoritism. No fashion decisions.) Feel free to add your own input about how you feel we should make ourselves look more uniform and professional.

The club would have to do a full member vote on it before anything is decided.

We obviously should ALWAYS wear a safety vest, safety green in color. (Yes, that is what that bright greenish yellow color is called). Even if we are wearing a rain suit or a heavy coat.

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Depending upon the weather we could also opt for a sweatshirt in safety green, or if it is cold enough, a coat in safety green.

For inclement weather, we should have a rain suit at the ready. Again, high visibility since we will be outside.

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A safety shirt, safety green in color. The safety shirt could be either long sleeve or short sleeve depending upon the weather conditions and comfort:

We could also wear a polo shirt that would make us look professional.

https://www.jerzees.com/shop/c/Sport-Shirts/Short-Sleeve/SAFETY-GREEN/Adult/L?page=1

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Our pants should also be the same, jeans which are blue or black, one color for everyone. Perhaps the color to be voted on at a meeting. If possible, the same brand as well for the jeans. I am suggesting jeans since they are more durable than dress pants.

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As an alternative to the safety shirt and jeans, we could buy an outfit from someplace like the 511 store that could be a set of tactical BDU's in Green, Khaki or Black.

I know those would be durable but they would also run about $150-$175 for a shirt and pants. Each item is about $75-$80 apiece. It is a bit pricey as an alternative to jeans and safety shirts but they are durable.

The reason I suggested to do jeans is the cost. A lot of us are on fixed incomes and don't have $200 to put into an outfit that might only be used one or twice a year. Another reason is it would make us look paramilitary, and that is not what we want to appear as.

Here is the link to the pants: look at all 3 color choices and make your own notes.

https://www.511tactical.com/flex-tac-174-tdu-174-ripstop-pant.html

Here is the link to the short sleeve shirt: look at all 3 color choices and make your own notes.

https://www.511tactical.com/flex-tac-174-tdu-174-ripstop-short-sleeve.html

Here is the link to the long sleeve shirt: look at all 3 color choices and make your own notes.

https://www.511tactical.com/flex-tac-tdu-ripstop-long-sleeve-shirt.html

The short sleeve could be used during the summer and the long sleeve for the winter. NOTE: I do use the long sleeve shirt during the summer and it does keep my arms fairly cool.

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If we were to go with the 511 TDU, the 511 company has a store located at 1595 Holiday Lane in Fairfield CA

A black belt, 1 1/2 inches wide, with a basket weave design and a gold belt buckle should be worn with the pants. This should be strong enough to support a radio easily.

Our shoes should also look like we are professional. Work boots, black in color and steel toe as well. They should also support the ankle. You wont be of any use if you are down from a broken or sprained ankle.

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And with those work boots don't forget gel insoles or arch supports in case we are standing for long periods of time.

And the most important part of those work boots is:

BREAK THEM IN BEFORE YOU NEED THEM.

Sitting around with blisters on your feet while working is painful and miserable. Once you buy them, wear them for a few hours every other day until they are broken in. No one can afford to be side lined by foot problems during an activation.

We should have a hard hat with us just as a precaution.

A hard hat is needed for times we are erecting our antennas, mast, or there is a chance of objects falling. We should be wearing a hard hat any time we are setting equipment up above our heads. For our own safety it should also be a Class E hard hat. Class E hard hats are designed to withstand 20,000 volts of electricity.

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Sure a hard hat may not be comfortable to wear but it might protect you from being given brain damage or killed by a falling object.

We should always wear a hat when we are operating outdoors. It should be the same for everyone as well. It should protect us from the sun, such as a boonie hat with a neck guard.

Something such as this:

A light tan color to reflect the sun. (If we were to use the TDU's then one that would match the color.)

We should always have our W6VVR badges on us to indicate who we are.

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We also should not carry more than one Handheld radio on us. It should be in a holster attached on our belt with the microphone cord preferably wrapped around behind our body, so it does not dangle. The microphone should be able to be clipped onto our safety vest for easy access.

Spare batteries, and perhaps an extra radio, only in case our primary radio stops working, can be kept in a small waist pouch until they are needed.

Perhaps pack a small duffle bag and keep in with your vehicle all the time that contains a predesignated set of three outfits, that the club has voted on as our ‘uniform”, that we can change into if we are participating in an event or serving an agency. That way we are always ready to be seen as professionals no matter what the circumstances.

Remember, the public will see us how they see us. We can either present a united, coordinated front or we can look like a bunch of individuals that are just together for a weekend outing.

Only the club can decide how we should look to the public.

This is just something to think about..

73

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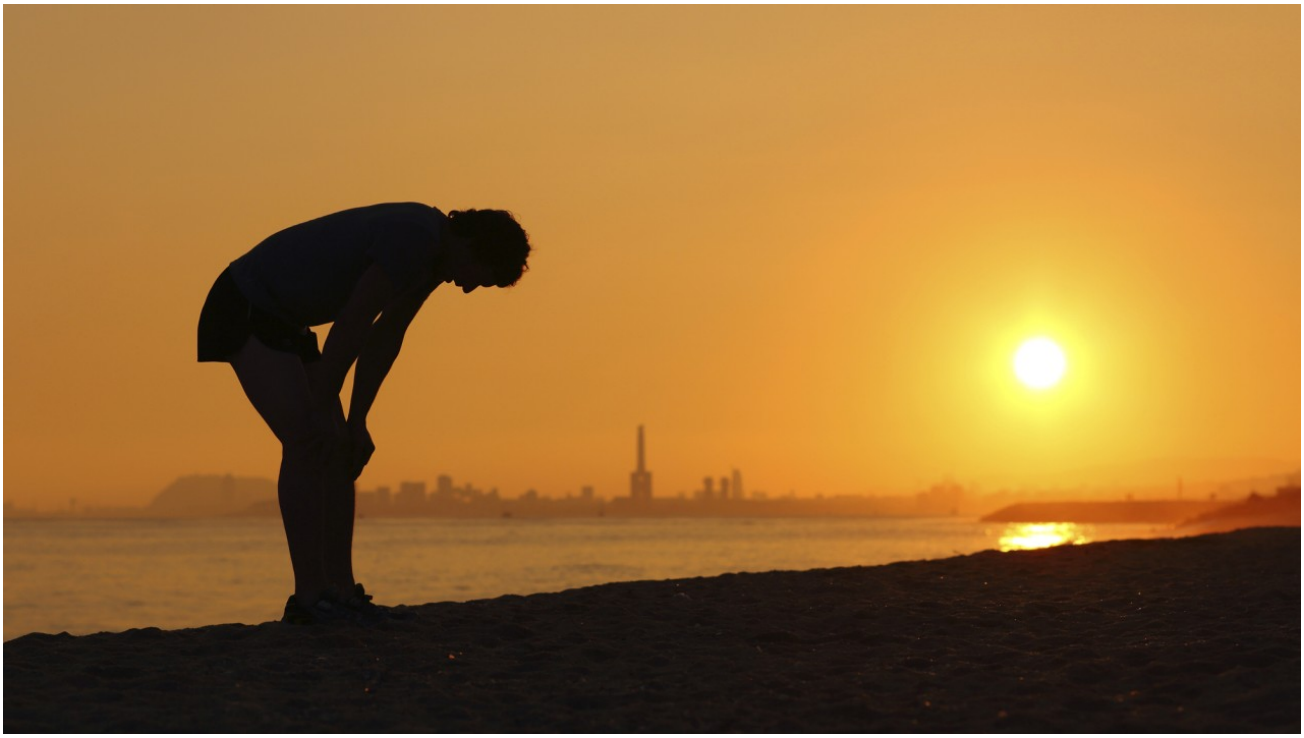
Heat exhaustion or heat stroke? Know the signs of heat illness.

Check weather.gov for the latest excess heat forecasts

If you are spending any time outside this summer, chances are you'll be exposed to a lot of sun, high temperatures and humidity.



How much heat can a person safely endure? It depends.

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Much less visible and dramatic than hurricanes, floods and tornadoes, heat is considered the silent killer, affecting the lives and health of people across the country.

An average of 702 heat-related deaths occur each year in the United States, according to statistics from the Centers for Disease Control and Prevention (CDC).

Certain groups of people should be especially careful during hot weather conditions.

For example, city-dwellers and those living in the upper floors of tall buildings or in heat-prone regions are most at-risk for heat-related illness. People who have difficulty getting around or who have health conditions are particularly susceptible. The elderly and the very young also merit special attention during periods of high heat and humidity.

NOAA's National Weather Service (NWS) and the Occupational Safety and Health Administration (OSHA) have also partnered to increase awareness for outdoor workers and their employers during excessive heat events. As part of this effort, NWS incorporates specific outdoor worker safety precautions when heat advisories and warnings are issued.

No matter what your job is or how you spend your free time, prevention of heat-related illness is key. Here's what you can do:

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1. Be informed and stay alert

Pay close attention to heat advisories or warnings that have been issued for your community.

NWS continually updates heat-related advisories and warnings online at weather.gov.
(Click on "Excessive Heat Warning" and "Heat Advisory" under the U.S. map — if there are no current warnings or advisories in the United States, nothing will appear).

NOAA issues excessive heat warnings when weather conditions pose an imminent threat to life and heat advisories when weather conditions are expected to cause significant discomfort or inconvenience or — if caution is not taken — become life threatening.

If you do not have internet access, you can get heat advisory and warning information by watching your local television or radio newscast or by purchasing a NOAA weather radio and tuning into NOAA Weather Radio All-Hazards.

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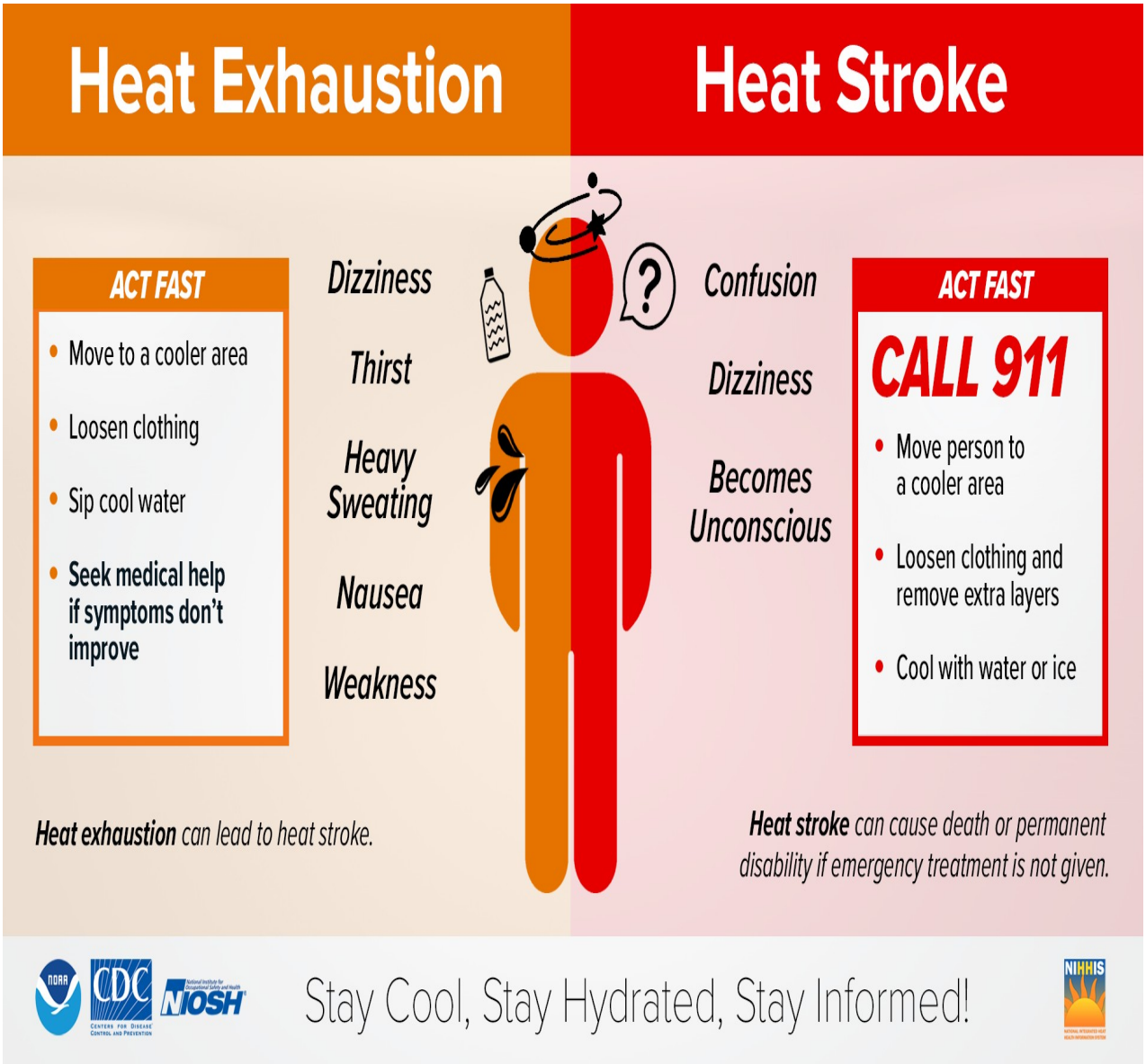
The image below gives a brief explanation of heat related issues:



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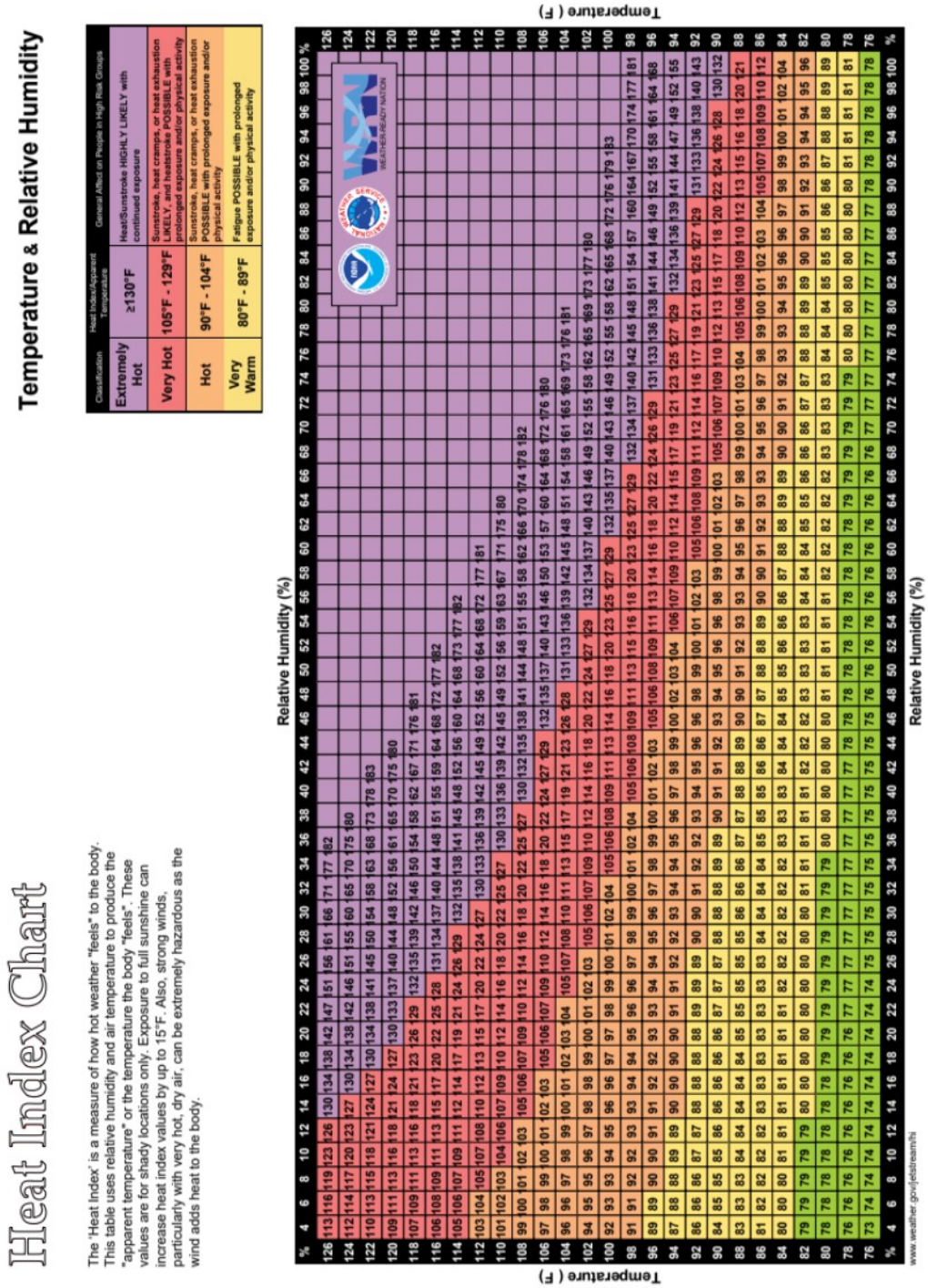
Use the temperature and humidity to figure out the heat index for your area, a measure that tells us how hot it feels.



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2. Plan for periods of extreme heat

Visit your physician for a check-up to find out if you have a health condition that may be exacerbated by hot weather.

Service your air conditioner before hot weather arrives, and obtain window fans to help cool your home.

Know where to go when weather heats up. Find cool indoor places to spend time on hot summer days, such as a local library, shopping mall, museum or aquarium.

3. Know what to do, and what not to do, in hot weather

Slow down, and reduce strenuous activity. Mow the lawn or garden in the early morning or late evening instead of midday.

Dress in lightweight, nonrestrictive, light-colored clothing.

Drink plenty of water or other nonalcoholic fluids.

Eat light, easy-to-digest foods.

Seek out shade if you have to be outdoors for extended periods. Spend more time in air-conditioned places.

Check on elderly neighbors, friends and relatives to make sure they are okay.

When outside, take frequent dips in the ocean or pool, or mist yourself with a water bottle.

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When inside, take frequent cool baths or showers and use cold compresses to cool off.

Apply high-SPF sunscreen frequently when outdoors.

Seek immediate medical attention if you experience symptoms of heat illness. (See chart below for symptoms, likely conditions and treatment.)

SYMPTOMS	LIKELY CONDITION	WHAT TO DO
	Heat cramps	
Painful muscle cramps and spasms, usually in muscles of legs and abdomen. Heavy sweating.		Apply firm pressure on cramping muscles or gently massage to relieve spasm. Give sips of water; if nausea occurs, discontinue water intake. Consult with a clinician or physician if individual has fluid restrictions (e.g., dialysis patients).

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SYMPTOMS	LIKELY CONDITION	WHAT TO DO
	Heat exhaustion	
Heavy sweating, weakness, cool skin, pale and clammy. Weak pulse. Normal temperature possible. Possible muscle cramps, dizziness, fainting, nausea and vomiting.		Move individual out of sun, lay them down, and loosen clothing. Apply cool, wet cloths. Fan or move individual to air conditioned room. Give sips of water; if nausea occurs, discontinue water intake. If vomiting continues, seek immediate medical attention. Consult with a clinician or physician if individual has fluid restrictions (e.g., dialysis patients).

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SYMPTOMS	LIKELY CONDITION	WHAT TO DO
	Heat stroke	
Altered mental state. Possible throbbing headache, confusion, nausea and dizziness. High body temperature (106°F or higher) Rapid and strong pulse. Possible unconsciousness. Skin may be hot and dry, or patient may be sweating. Sweating likely especially if patient was previously involved in vigorous activity.		Heat stroke is a severe medical emergency. Summon emergency medical assistance or get the individual to a hospital immediately. Delay can be fatal. Move individual to a cooler, preferably air-conditioned, environment. Reduce body temperature with a water mister and fan or sponging. Use air conditioners. Use fans if heat index temperatures are below the high 90s. Use extreme caution. Remove clothing. If temperature rises again, repeat process. Do not give fluids.

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Please remember:

DO NOT leave children, the elderly, or pets in the car for any reason, for any length of time.

Remember: "Look before you lock." A dark dashboard or seat can easily reach temperatures in the range of 180 to more than 200 degrees F.

DO NOT stay in the sun for long periods.

DO NOT take salt tablets unless directed by a physician.

AVOID alcoholic beverages; they can dehydrate you and increase your risk of heat stroke and other potentially fatal heat-related illnesses.

4. Know the warning signs of heat-related illness*

Too much exposure to heat can raise your body temperature to unhealthy levels and may make you ill — it can also be deadly. Take the precautions listed above and be on the lookout for these warning signs that you may be in trouble.

**Please note: This information is not a substitute for expert medical care. If you should experience any of the above symptoms, seek medical assistance/advice immediately. Call 911.*

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Staying Hydrated, Staying Healthy

Courtesy of heart.org

When the temperatures rise, getting enough water is important whether you're playing sports, traveling, or just sitting in the sun.

It's critical for your heart health

Drinking enough water keeps the body hydrated, which helps the heart more easily pump blood through the body. It also helps muscles work efficiently.
If you're well hydrated, your heart doesn't have to work as hard.

Dehydration means your body doesn't have enough water, which can make you feel really thirsty and cause other problems such as dizziness, feeling tired, swollen feet, a headache or even life-threatening illnesses, such as heat stroke.

How much water do you need?

What does being well hydrated mean? The amount of water a person needs depends on the climate, clothing worn and exercise intensity and duration.

A person who sweats a lot will need to drink more than someone who doesn't. Certain medical conditions, such as diabetes or heart disease, may also mean you need to drink more water. People with cystic fibrosis have a lot of salt in their sweat and also need to use caution to avoid dehydration.

Some medications can also act as diuretics, or water pills, making you to urinate more and lose more fluid.

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Thirst isn't the best indicator that you need to drink. If you get thirsty, you're already dehydrated. The easiest thing to do is pay attention to the color of your urine. Pale and clear means you're well hydrated. If it's dark, drink more fluids.

If you want to know exactly how much fluid you need, weigh yourself before and after exercise to see how much you've lost through perspiration. It's a particularly good guide for athletes training in the hot summer months.

For every pound of sweat you lose, that's a pint of water you'll need to replenish. For example, it's not unusual for a high school football player, wearing pads and running through drills, to lose 5 pounds or more of sweat during a summer practice.

Not sweating during vigorous physical activity can be a red flag that you're dehydrated to the point of developing heat exhaustion.

Water is best

For most people, water is the best thing to drink to stay hydrated. Some foods can be a source of water, such as fruits and vegetables. Sports drinks with electrolytes may be useful for people doing high-intensity, vigorous exercise in very hot weather, though they tend to be high in added sugars and calories.

It's healthier to drink water while you're exercising, and then when you're done, eat a healthy snack like orange slices, bananas or a small handful of unsalted nuts. Avoid fruit juices or sugary drinks, such as soda. They can be hard on your stomach if you're dehydrated. It's also best to avoid drinks containing caffeine, which acts as a diuretic and causes you to lose more fluids.

Drinking water before you exercise or go out into the sun is an important first step.

Otherwise, you're playing catch-up and your heart is straining.

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Not just for athletes or exercise

Hydration isn't just important during physical activity. You also need to keep tabs on your water intake if you are:

- Sitting in the sun on a hot or humid day, even if you aren't exercising.
- Someone with a heart condition.
- Over age 50.
- Overweight or obese.
- Traveling.
- Sitting in fast moving dry wind. Think 18% or less humidity.

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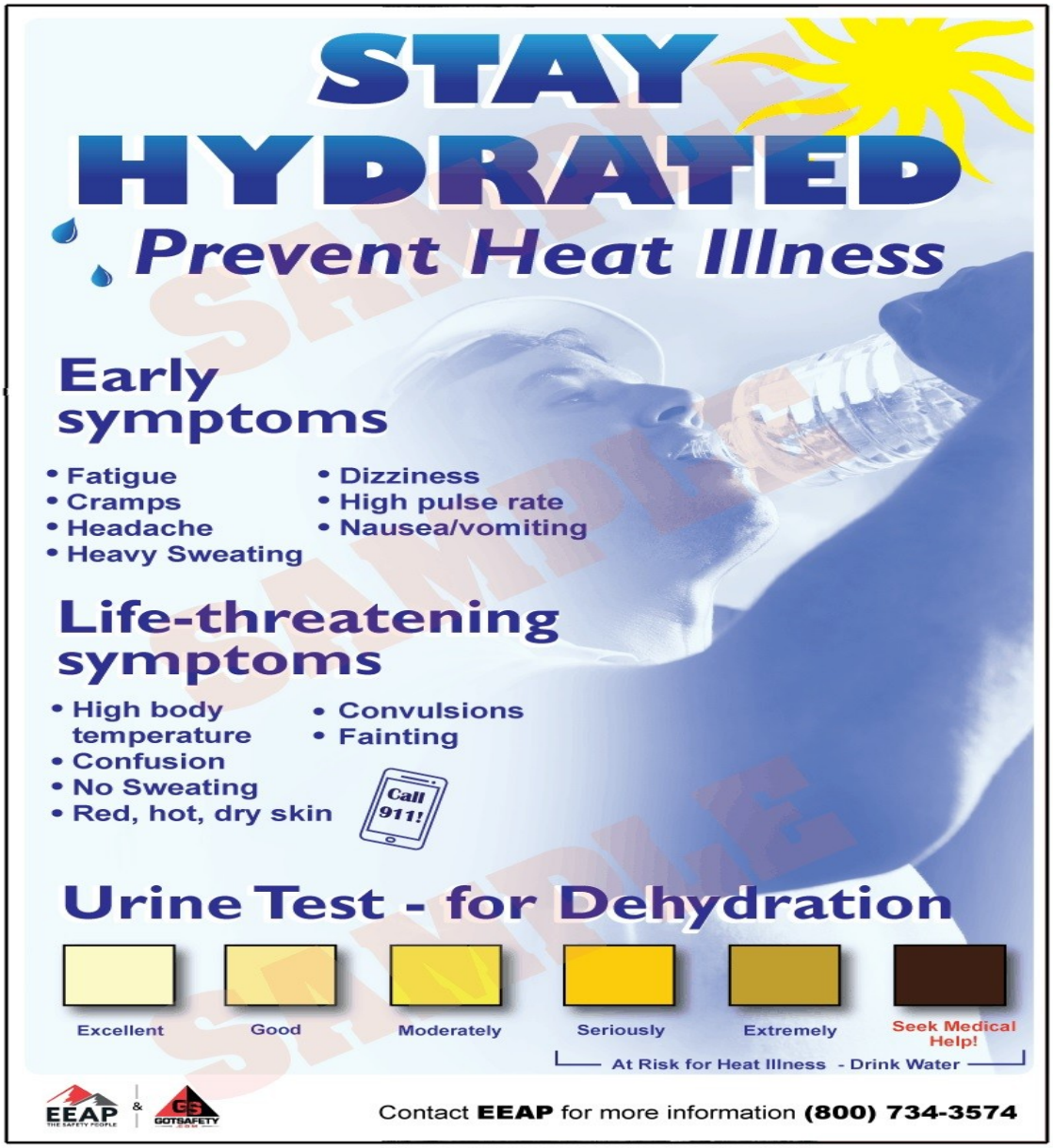

Lets all try to remember to drink water throughout the day!

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Portable Generators and safety when using them!!

We as amateur radio operators use portable generators when we are out in the field to power our radios, lights etc.

Portable generators are safe when used properly.
Some of the simpler safety rules are also common sense rules such as:

Fuel Storage: Never store your fuel right near the generator. An errant spark can ignite the fuel vapors and lead to both an explosion and a wild fire. And this doesn't include the burns you can receive if you are right near it when that explosion occurs. Your fuel should be stored no closer than 10 ft from the generator.

Clearance around the portable generator: The MINIMUM space around your generator that should be protected from an errant spark caused by the generator should be 4 ft on all sides.

The easiest way to do this is carry nine 4 x 4 plywood boards 1/8 thick, and place them together around the generator to give yourself the 4x 4 clearance the generator should have. So your board sits in the middle of one 4x4 board and the rest of the boards are placed around that board to give 4 ft all the way around. And yes it should look like a square NOT a cross. Think of it being a giant tic tac toe board

Grounding! Just like our radios, your generator should be properly grounded. For field day this mean a metal rod in the ground at least 3 ft down if possible. You should plan on possibly needing a jake jack to pull the rod back out of the ground. Don't forget to mark the ground rod so you or someone else doesn't trip over it.

Fire extinguishers: You should have a class ABC fire extinguisher at the edge of the boards your generator is on in case the generator should cause a grass fire or should catch fire itself.

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This fire extinguisher is separate from the camp site, the RV/Camper/tent, and fire pit fire extinguisher and is dedicated to the generator.

Water: should the grass catch on fire you should have at least two 5 gallon buckets of water at the edge of the boards to attempt to slow the spread of the fire. Notice I said SLOW, not stop. Two 5 gallon buckets will not be enough water to stop a grass fire but it will give you time to get additional water to the site from others.

Understand: IF A FIRE DOES OCCUR, AND IT IS DEEMED YOUR NEGLIGENCE CAUSED IT, YOU MAY BE HELD RESPONSIBLE FOR THE COST OF THE FIRE DEPARTMENT AND DAMAGES TO THE FAIRGROUNDS THAT CLEANUP AND REPAIR WILL BE REQUIRED BY THE FAIRGROUNDS!
The club insurance will not pay for your negligence.

Distance: The distance the generator should be located from the camp site is 10 feet to the edge of the closest board. This means should a grass fire start it wont be right on top of your camp site.

However this also means you will need to mark all extension cords as a tripping hazard.

Spill kit: you should have a spill kit kept on hand right by the generator in case you spill gasoline while filling the tank or oil while changing it. The spill kit should contain rags and clay cat litter to absorb the liquid spilled. A can should be handy for contaminated rags used if you do have a spill. You should also have a second spill kit kept right by your fuel storage area just as a precaution your gas can somehow does get knocked over and leak.

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Understand: IF A MAJOR GASOLINE SPILL (MORE THAN A FEW DRIPS TO A 1/8 OF A CUP)DOES OCCUR, AND IT IS DEEMED YOUR NEGLIGENCE CAUSED IT, YOU MAY BE HELD RESPONSIBLE FOR THE COST OF THE HAZMAT CLEAN UP THAT WILL BE REQUIRED BY THE FAIRGROUNDS FOR YOUR NEGLIGENCE!
The club insurance will not pay for your negligence.

Depending upon the brand most generators require the oil to be checked between every 6-8 hours. For field day this means you may need some down time to service the generator while we are in the exercise. You should plan to run your station on an alternate power source while an assistant does the oil check.

At the same time you should check your spark arrestor and clean it. If the oil is dark then you should give it an oil change.

Don't overload your generator! Most generators will shut down if overloaded.

If your generator begins to shut off on its own while it still has fuel, begins to smoke, or spew oil from the back of it, shut it down immediately and stop using it! You may have lost a seal.

Never lay a portable generator on its side to store it or fill the oil when changing it. Oil and gas can get into places they don't belong and cause serious issues with the generator. If the damage is severe enough you may end up replacing the generator.

Read your owners manual to learn all the features and operating procedures of your generator.

That's all I have about portable generators.

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Gasoline Safety

This article gives great safety tips about gasoline safety.

Fuel for Thought: How to Handle Gasoline Safely
By jschleifer Jan 31, 2008

Updated: Mar 15, 2016

At any price, gasoline can hurt more than your wallet. This article offers gasoline safety tips to encourage safe handling of this necessary, but dangerous, product.

National Burn Awareness Week takes place each year during the first full week of February. Although a summary of key safety points is available below, addition resources are available at the American Burn Association website. Additional gasoline safety outreach materials are available via the U.S. Fire Administration.

Gasoline Safety Tips

Most gasoline injuries are preventable if gas is properly used and safely stored. Here are some helpful gasoline safety tips from the American Burn Association that you can use to train your family and employees to handle gas with care:

- Don't smoke or use matches, lighters, or other ignition sources anywhere around gas.
  And remember that gas vapors can travel far from gas containers in enclosed areas.

- Use gasoline only in well-ventilated areas.

- Turn off equipment and let cool before filling the gas tank.

- Never use gasoline to start charcoal on a grill-use proper charcoal starter.

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- Never use gas as a cleaning fluid or solvent—or to clean your hands.
- Don't store gas cans in your vehicle.
- Store gas in approved containers, in a cool, well-ventilated area (for example, in a shed or garage but never in the house), and only keep a minimum amount on hand.
- Never use glass or plastic bottles for gasoline storage.

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If Someone Gets Burned

Burns, whether from gasoline or some other source, can be painful and sometimes need medical attention. The American Burn Association recommends seeking medical attention for:

- Burns to the face, hands, feet, genital area, or major joints (knees, elbows, shoulders)
- Chemical and electrical burns
- Burns that cover a large area

Minor burns can usually be treated with first aid on the job or at home by flushing the area with cool water for a few minutes and covering it with sterile dressing from a first-aid kit.

Don't apply ointment, salves, creams, or ice to burns, and never break blisters.

Even *Breathing* Gas Fumes Can Be Harmful

Gasoline can also be a health hazard if you inhale concentrated fumes for too long or get it on
your skin. Symptoms of overexposure to gas vapors include:

- Respiratory problems such as coughing and trouble breathing
- Rash from skin contact with gasoline
- Irritation or burning in the eyes from gas splashes

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- Dizziness
- Weakness, numbness in arms and legs, or burning sensation
- Rapid heart beat
- Nausea or vomiting

If you experience any symptoms from inhaling gas vapors, you should get to fresh air immediately. If symptoms persist, seek medical treatment right away. If you become unconscious from breathing gas vapors, another person should call 911 immediately.

Why It Matters...

According to the National Fire Protection Association:

- Nearly 150,000 fires occurring in the United States every year are caused by gasoline.
- About 500 Americans die every year in gasoline-related fires.
- Flammable liquid fires cause $1.5 billion in direct property damage each year.
- One gallon of gas has the explosive power of 20 sticks of dynamite!

This article kind of makes you think of how much danger there really is in Gasoline.

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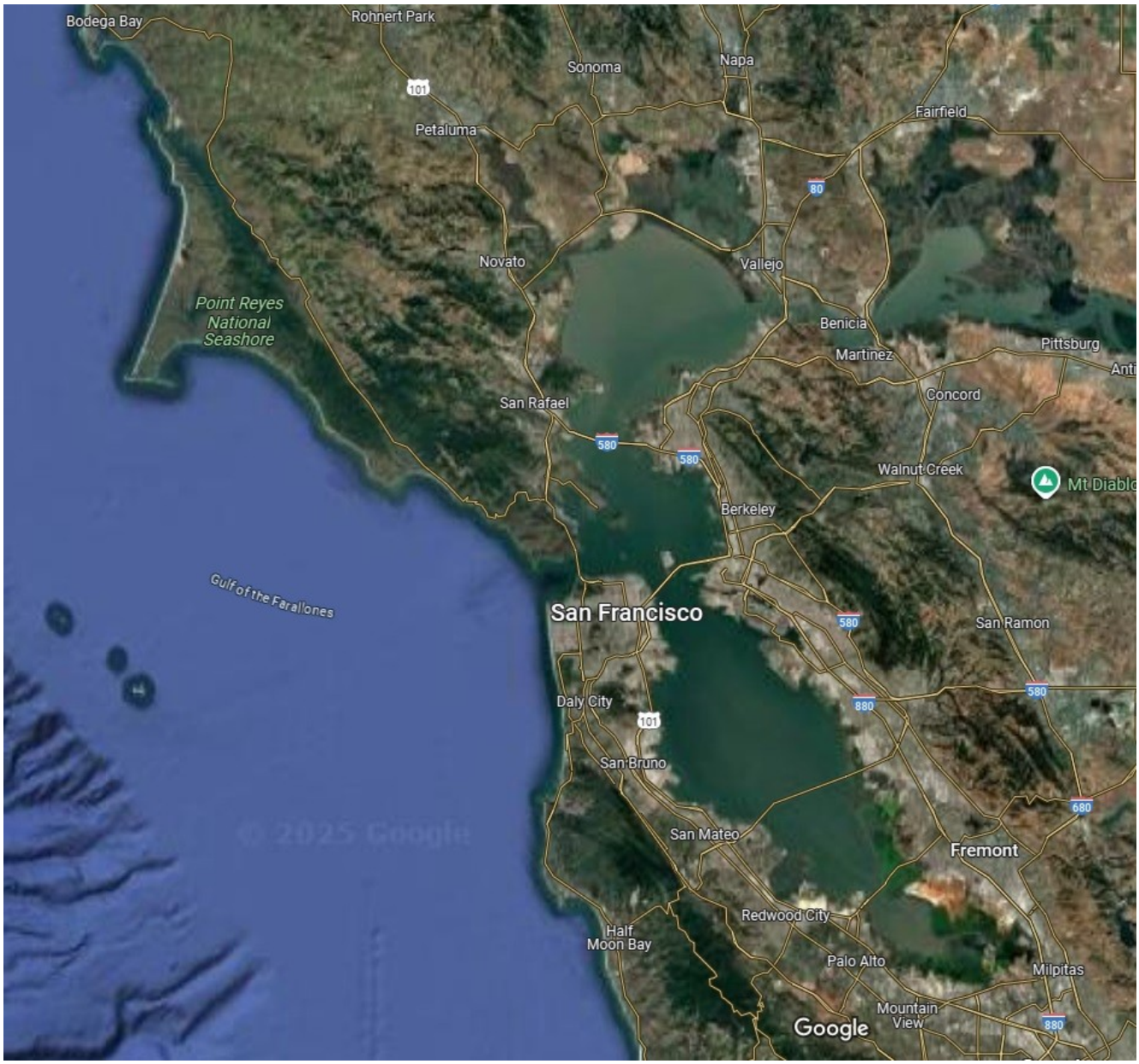
Cold weather

If you think you can't get cold at the fairgrounds in the summer, take a good look at these maps.



This is a large scale view of the Bay area. As you can see ther is a lot of open water in the area as well as the Pacific Ocean.

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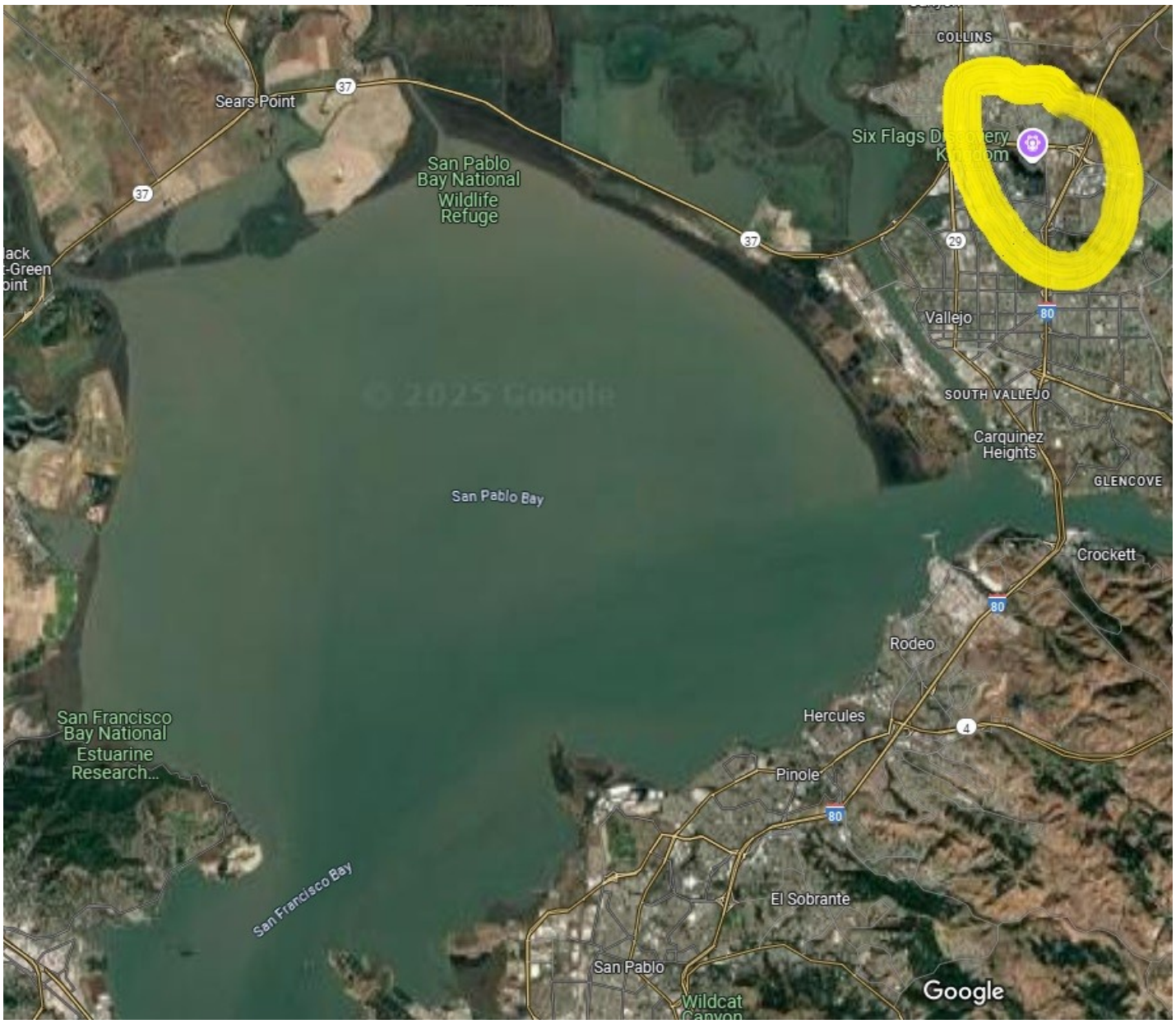

This view shows just the San Pablo Bay area and how close it is to the Solano County Fairgrounds.

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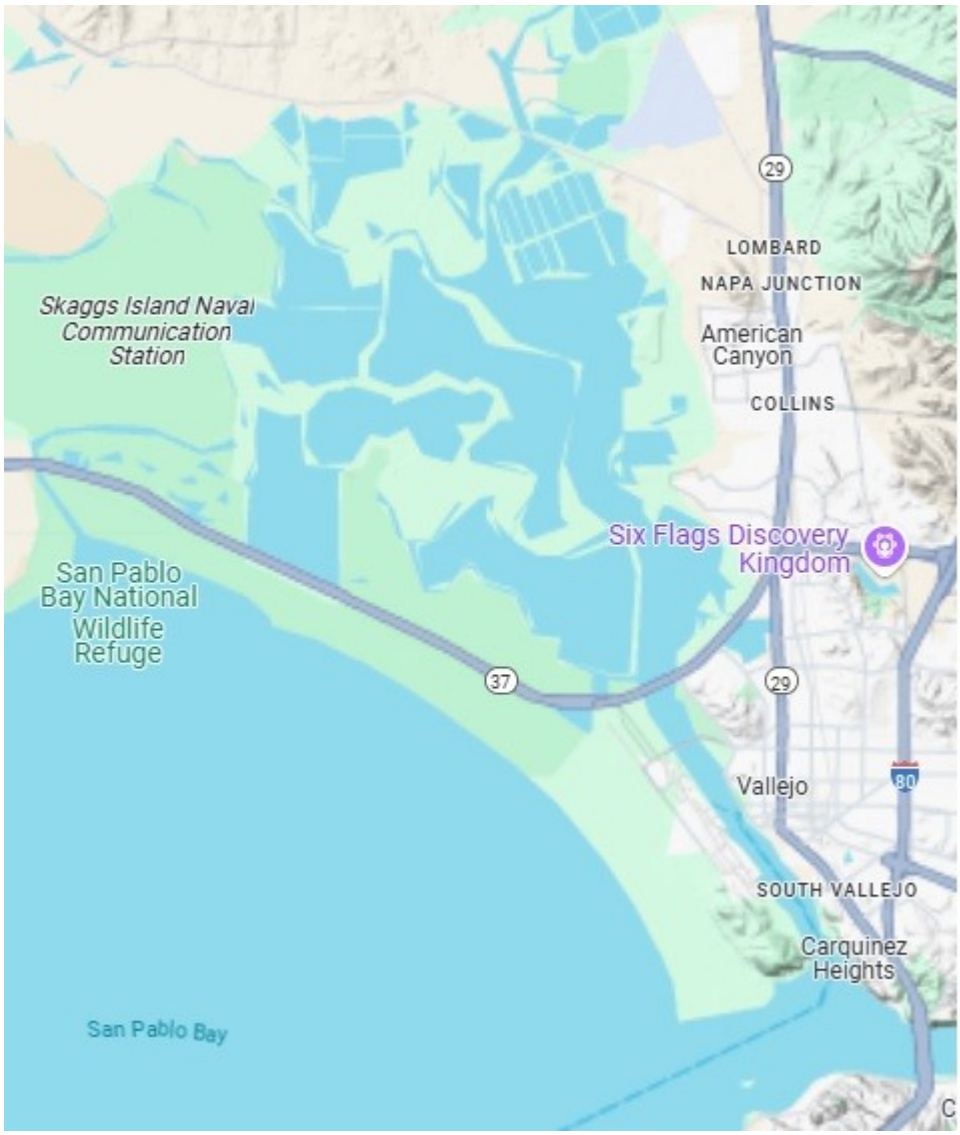

This topographical map shows how flat the area near the fairgrounds is.
And with the hills, small mountains and valleys that highway 80 follows, all you need to do is look to realize by following the highway, there is a wind tunnel to funnel the cool or cold winds right across Vallejo and the fairgrounds.

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As the sun begins to drop down about 3 - 4 pm, the wind picks up. That wind begins to quickly get cold from moving across the water.

That wind moving across the rivers, chills the wind, and drops the temperatures at the fairgrounds quickly. By the night it can be in the low 50's.
If you have ever been at Six flags at night you know how cold it can get there, and we are going to be right across the road.

Below is a chart of wind chill.

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The chart above only shows for temperatures from 40 degrees and below but even at a temperature in the 50's it can get cold enough to need a jacket and knit hat at the fairgrounds.

Stay mindful of the fact that the temperature can drop rapidly after 3P.M. and bring some warmer clothes with you.

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With field day coming up, and both the public and various state officials coming to visit us, our volunteering at various public events, and even just when the club is at a meeting or helping each other, we, as individuals and as a club need to discuss professionalism.

Professionalism

How the public and served agencies see each of us, as individuals, and the club as a whole, and interacts with us, is dependent upon many factors.

Everything from how we, as individuals, each act to the way we each dress affects how we, as individuals, and the club as a whole, are perceived.

When we are performing our duties as communicators for a public service event or a public service agency, we, as a club and each individual, should be mindful of how we are being observed and judged.

And YES, every time we make a public appearance, WE ARE BEING JUDGED. Not just by the agency but by the PUBLIC AT LARGE.

And with the proliferation of phones, tablets, camcorders, police worn body cameras, and security cameras out there, you can bet, you as an individual, and the club as a whole, are being recorded somewhere and somehow. And those videos will be used to judge each individual one of us, and the club as a whole, by, the agencies we serve, the authorities, and the public at large. (Who will spread videos on any and all social media platforms.)

Imagining one day, waking up and being shunned or asked about something you or someone in the club did, and you don't have a recollection of it.
Or, imagine being contacted by a lawyer that you are being sued because of something you did. And there is video footage of it.

Cameras are not and will not be your friend if you do something wrong.

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Below are largest factors in how we as individuals, and as a club, are seen as professionals:

First – **DO WE KNOW WHAT WE ARE DOING?**

Message passing:

Are we, as individuals, and as a club, properly trained in message passing?

When you pass a message to net control, are you speaking slow enough for net control to write down the message?

When you are receiving a message from net control, do you have a way to write it down and ensure you have written it as received?

Did you change anything in the message?

We are only to read the message as it is written, not be the grammar police. How the message is given to you is how you are to send it.

When you receive the message, you are only to write it down as it is sent to you. You don't correct spelling mistakes, You don't add, change, or remove punctuation.

And yes, it is hard not to correct punctuation or spelling errors but any changes you make, can change the meaning of the message, or how the message is interpreted.

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We, as individuals, and as a club, need to train ourselves to slow down when we pass a message. Speed is an enemy that can't be afforded when messages must be sent correctly.

All messages MUST be written by the person who authorized the message to be sent. We, as individuals, and as a club, are acting on behalf of a served agency, keep track of whom gave you messages to send, who you sent the message to, and what stations it passed along the way.

ALL MESSAGES BECOME PART OF THE SERVED AGENCIES RECORDS.

Any mistake or changes you make, when sending or receiving a message can subject the served agency, our club, and right down to yourself, to a potential negligence lawsuit.

How often do you practice sending and receiving a message so you can do so correctly?

How often does the club as a whole practice sending and receiving messages so it can be done correctly.

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Your Equipment:

Are you, as an individual, and as a club in general, efficient in setting up your equipment to be ready within an hour, from the time you arrive, at the longest? Or does it take you hours to set up and be ready, with broken equipment or missing parts along the way?

You should have a list of your equipment that you need to take with you so you don't forget that power cord or the microphone or the operating manual. Everything you want to take should be boxed up together. So a box for the radio, mic, power cord, code key, computer interface cable, etcetera. Ideally a radio already packed away for emergencies similar to ones that you use regularly

Do you use the equipment almost daily so you are completely familiar with it? What good is it to have a radio that you don't use and are unfamiliar with? You shouldn't have to start looking things up in the manual during an emergency. You should be using it to be proficient with its controls and features.

Practicing:

We, as a club, should be doing monthly drills to ensure everyone can set up their equipment with ease, and correctly every time. In pairs, (or with a willing spouse), we can use a local park near our homes to practice in teams, (which lets the public see us in action), operating SIMPLEX, for an hour or two, so we learn not to be reliant on the repeater and to judge our communications ability, then break down and meet on zoom for a follow up meeting to discuss issues.

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Second – **HOW IS OUR BEHAVIOR?**

Are you being serious?

Are you making jokes, being disrespectful, not paying attention? Are you not treating the people or situation seriously? Things such as that can influence how you as an individual, and the club as a whole, are seen by both the public and the agency the club is assisting.

If the agency does not like what they see, and if the club is lucky, the served agency will only ask the club to send the offending party home. If the club is unlucky, we, as a club, WILL all be asked to leave and never return.

If the agency does that, I can assure you, it WILL be years before the club is ever invited back, and that is with years of trying to smooth over the ruffled feathers you have caused.

REMEMBER: *It is difficult to make lasting relationships, but destroying them can be done by just one persons actions in minutes.*

When that happens, you tarnish not only the clubs reputation, but all of the amateur radio community as a whole. And if you honestly think served agencies don't communicate among themselves about events and the assistance they had, think again.

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ARE WE SERVING OUR AGENCY OR ARE WE DEMANDING THINGS FROM THE AGENCY?

YOU AS AN INDIVIDUAL, AND THE CLUB AS A WHOLE, ARE THERE TO SERVE THE AGENCY, **as volunteers.**

You, and the club, should not be expecting ANYTHING from them nor should you, or the club, be "demanding" anything be done for you or the club.
We, as a club, need to work within the constraints of the agency we are serving.

YOU, AND THE CLUB AS A WHOLE, ARE THERE FOR THEIR NEEDS, not to be pampered by them with Your whims or wants.

You, as an individual, and the club as a whole, should be as self sufficient and invisible in our actions as possible. Obviously the served agency has to provide us a place to set up, but beyond that, we should not need anything else from the agency to act as communications for the agency.

You as an individual,, and the club as a whole, should not be asking the agency for meals, for water, not even a place to rest.

YOU, AS AN INDIVIDUAL, AND THE CLUB AS A WHOLE, DEFINITELY SHOULD NOT EXPECT ANY COMPENSATION FOR OUR TIME FROM THE AGENCY.

You as an individual, and the club as a whole, are VOLUNTEERS for them, not their employees.

Each of us is responsible for what a served agency see us as.

If any of us demand anything from the served agency, then, as above with our behavior, the club might be lucky, and the served agency will only ask the club to send the offending party home. if we are unlucky, the club WILL be asked to leave and never return.

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If the agency does that, I can assure you, it WILL be years before the club is ever invited back, and that is with years of trying to smooth over the ruffled feathers you, or the club, have caused.

Meals

Following along with self sufficiency, you, as an individual, and the club as a whole, should also be self sufficient with our meals. By relying on ourselves, you, as an individual, and the club as a whole, lighten the burden of the served agency.

Plus it ensures you eat what you like as opposed to what the agency is serving. And for those with medical conditions, being able to eat what you need is better than eating something you shouldn't, but have no choice on.

Drinks and Alcohol

As professionals, you and the club need to be ready at any time. Once you and the club are on site, the club should only have *water, tea, coffee, soda, milk, energy drinks, and iced tea.*

You, as an individual, and the club as a whole, should NOT bring ANY alcoholic products with you, even to consume during your down time. And yes, this does include any products intended for your morning coffee. (sorry no REAL Irish cream.)

You, as an individual, and the club as a whole, need to be able to respond to any changes in our situation.

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If you, or the club as a whole, were to have to evacuate the area and you have been drinking, it will become a huge problem. Someone else will need to take the burden of transporting you, since you will not be able to drive your own vehicle. If any member of the club were to allow you to drive yourself, the club as a whole can become liable for anything that you do.

If you drink during your down time and are suddenly needed, you may not be fit to perform the duties the club is there to perform.

If someone from the public, or another agency, were to see you sitting around drinking, even during your off time, they could say the club are nothing but a bunch of drunks.

Again the club can be perceived as less than professional by having alcoholic beverages.

If anyone were to complain about you drinking to the served agency, or the served agency observes you drinking, then, as above, with our behavior, the club might be lucky, and the served agency will only ask us to send the offending party home. If the club is unlucky, the club WILL be asked to leave and never return.

If the agency does that, I can assure you, it WILL be years before the club is ever invited back, and that is with years of trying to smooth over the ruffled feathers you, or the club have caused.

Avoid alcohol for any reason.

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Third – **ARE YOU TAKING RESPONSIBILITY?**

Liability and Injuries

As a volunteer, any injuries you sustain while performing your duties, are YOUR responsibility. The served agency is not responsible, nor is the club responsible.

Any injuries, or deaths you cause to another person(s) or damage to property through your deliberate negligence are YOUR responsibility. The club is not responsible. The served agency is not responsible. You may be held liable for property damage, injuries you cause deliberately, and deaths you might cause.

If, through your negligence or deliberate acts, destroy property, injure someone, or cause death(s), the served agency will, guaranteed, WILL ask the club to leave and NEVER return. The negative publicity the club will receive as a result of your actions will ensure that. You may also be liable personally for any damage to the served agencies reputation from your actions.

If the agency does that, I can assure you, the club will NEVER be invited back, and, word of what happened will spread to any other agencies that the club might serve. Think after that happens, the club will be invited to help them out?

If, you, through your negligence or deliberate acts, destroy property, injure someone, or cause death(s), expect that you WILL have your name run through a ringer by the courts, the media and social media sites. You will have to defend yourself with your own time and money. The volunteer agency sure isn't going to help you out, and the club wont help you out.

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REMEMBER:

You, and EACH of us, is responsible for what a served agency and the public see you and the club as.

If the served agency doesn't see you, or the club, as anything less than professionals, the club will never be called upon again.

If the served agency doesn't see the club taking action, on its own, for the behavior of one person, the club will never be called upon again.

If the public doesn't see you as professional, they sure are not going to come to you, or the club as a whole. for assistance, EVEN IF THE CLUB IS THE ONLY MEANS TO COMMUNICATE FOR THE PUBLIC.

They will find someone else who can assist them, whom acts and looks professional, or they will just give up on being able to send messages to people..

When that happens, you tarnish not only your, and the clubs, reputation, but all of the amateur radio community as a whole

Lets show everyone that you, and the club as a whole, can be professional and know what we are doing.

Lets improve the image of amateur radio, and, perhaps, get a few new operators along the way.

Each of us, as individuals, and the club as a whole, has a job to do, to prove the club are professionals. Even though our hobby is called amateur, lets live up to the standards of being and acting as professionals.

That's all I have about professionalism

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First Aid and First Aid Kits

When in a setting such as Field Day, we should always be alert to injuries we, or others, could receive.

We should always have a basic First Aid kit on hand at each of our stations.

At a minimum it should contain a selection of Band Aids, sunburn ointment, gauze pads, an ace bandage, self stick wrap, a Mylar emergency blanket triple antibiotic ointment, and a few rolls of gauze in various sizes, a few bottles of water and a cup, some tea, antacids (Tums or Rolaids)and possibly hand warmers.

Anything beyond this would require specific training.

Having the simple ability to doctor small wounds, treat sunburn, possibly heat or cold related related emergencies is essential.

It doesn't need to be some fancy kit just something simple if needed.

And every one of us should have one on hand at EACH of our sites.

We should also have medications for our personal use. Things such as ibuprofen, tylenol, asprin, allergy tablets etc. No one should be giving you any medication unless it is a medical emergency. And if it is a medical emergency then a doctor should be telling a paramedic what to give you.

Think about what abilities or credentials you CURRENTLY have and adjust accordingly. That training you might have received 20 years ago in the military? It wont hold up in a court if you treat someone and they die.

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The National Weather Service Radio System

The National Weather service operates a series of transmitters across the country. Transmitters operate at either 500 or 1000 watts depending upon location. Each transmitter has a range of about 50 miles depending upon terrain. The seven (7) frequencies used by the National weather Service are: 162.400, 162, 425, 162, 450, 162.475, 162.500, 162.525, and 162.550.

TRANSMITTERS:

To get the transmitters for your State and County you can use this link:

https://www.weather.gov/nwr/station_listing

Here is the link for California transmitters:

https://www.weather.gov/nwr/states_dyn?state=CA

For the frequencies listed above, six of these frequencies are in use in the Bay Area:

Below each listing is a link to each transmitter site that gives detailed information about the site.

San Francisco 162.400 KHB49
https://www.weather.gov/nwr/sites?site=KHB49

Contra Costa County 162.425 WNG655
https://www.weather.gov/nwr/sites?site=WNG655

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Monterey Marine 162.450 WWF64
https://www.weather.gov/nwr/sites?site=WWF64

Sonoma County 162.475 WZ2504
https://www.weather.gov/nwr/sites?site=WZ2504

San Francisco 162.500 KDX54 (Actually located in Marin County on Big Rock Ridge)
https://www.weather.gov/nwr/sites?site=KDX54

NO TRANSMITTERS IN OUR AREA ON 162.525

Sacramento 162.550 KEC57
https://www.weather.gov/nwr/sites?site=KEC57

Monterey 162.550 KEC49
https://www.weather.gov/nwr/sites?site=KEC49

SAME CODES:

Each county in the country has a special code assigned to it. They are called the Specific Area Message Encoding (SAME) code. Each code is six digits long.

These codes are actually from the Federal Information Processing System (FIPS) Codes for States and Counties. The difference is the SAME codes have a single extra digit at the BEGINNING of the SAME code.

FIPS codes are numbers which uniquely identify geographic areas.
The number of digits in FIPS codes vary depending on the level of geography. State-level FIPS codes have two digits, county-level FIPS codes have five digits of which the first two are the FIPS code of the state to which the county belongs.

Continued on the next page.

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Here is a link to the FIPS codes: (Be advised this list is long and text only)

https://transition.fcc.gov/oet/info/maps/census/fips/fips.txt

Obtaining the information from that list California is listed as the sixth state.

```
 FIPS code     name
-----------   -------
    01        ALABAMA
    02        ALASKA
    04        ARIZONA
    05        ARKANSAS
    06        CALIFORNIA
    08        COLORADO
    09        CONNECTICUT
    10        DELAWARE
```

That means the first 2 digits of the FIPS code are 06.

Notice there are gaps in the state list. Those are for United States Territories.

The counties are ordered alphabetically by ODD numbers.
Below is a sample of the county list showing the transition from one state to another:

```
05145        White County
05147        Woodruff County
05149        Yell County

06000        California

06001        Alameda County
06003        Alpine County
06005        Amador County
06007        Butte County
06009        Calaveras County
06011        Colusa County
06013        Contra Costa County
06015        Del Norte County
06017        El Dorado County
06019        Fresno County
```

Continued on the next page.

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I broke the list apart showing the transition from 05 to 06 indicating California.

I also showed the first ten counties that are listed in alphabetical order which shows them incrementing in ODD increments. 001, 003, 005, etc

That will give you the basic information needed to program your state and counties into a weather radio if you can not access the SAME listing.

Here is a link to the SAME codes.

https://www.weather.gov/nwr/nwrsame

For the Bay Area of California to get all area alerts for the following counties you use these SAME codes:

Almeda 006 001

Marin 006 041

Contra Costa 006 013

Napa 006 055

San Mateo 006 081

Solano 006 095

San Francisco 006 075

Sonoma 006 097

Continued on the next page.

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Now remember I said SAME codes are six digits but the FIPS information is only five5 digits?

That extra digit at the beginning of the SAME code, is used to break a county down into areas N, NE, E , SE, S, SW, W, NW, and Central for partial county alerting. Below are two links that explain it.

https://www.weather.gov/pca

https://www.weather.gov/nwr/sameenz

The actual breakdown of that first digit is this:

0 - entire county included in the warning
1 - northwest OR mountains above 'x' elevation
2 - north OR mountains between 'x' and 'y' elevations
3 - northeast OR valleys below 'y' elevations
4 - west
5 - central
6 - east
7 - southwest
8 - south
9 - southeast

THIS IS A RECENT IMPLEMENTATION OF THE NWS AND IS JUST BEING ROLLED OUT BY THEM. NOT ALL AREAS CARRY THESE BREAKDOWNS AT THIS TIME.

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In the Bay Area, only Sonoma county is broken down by area within the county.

County	Areas witin county	SAME Code	Transmitter	Frequency	Status
Siskiyou	All	006093	WWF97	162.475	NORMAL
Solano	All	006095	KEC57	162.550	NORMAL
Sonoma	All	006097	KDX54	162.500	NORMAL
Sonoma	All	006097	KIH30	162.550	NORMAL
Sonoma	All	006097	KHB49	162.400	NORMAL
Sonoma	All	006097	WZ2504	162.475	NORMAL
Sonoma	Northwest	106097	KDX54	162.500	NORMAL
Sonoma	Northwest	106097	KIH30	162.550	NORMAL
Sonoma	Northwest	106097	KHB49	162.400	NORMAL
Sonoma	Northwest	106097	WZ2504	162.475	NORMAL
Sonoma	North	206097	KDX54	162.500	NORMAL
Sonoma	North	206097	KHB49	162.400	NORMAL
Sonoma	Northeast	306097	KDX54	162.500	NORMAL
Sonoma	Northeast	306097	KIH30	162.550	NORMAL
Sonoma	Northeast	306097	KHB49	162.400	NORMAL
Sonoma	Northeast	306097	WZ2504	162.475	NORMAL
Sonoma	West	406097	KDX54	162.500	NORMAL
Sonoma	West	406097	KIH30	162.550	NORMAL
Sonoma	West	406097	KHB49	162.400	NORMAL
Sonoma	West	406097	WZ2504	162.475	NORMAL
Sonoma	Central	506097	KDX54	162.500	NORMAL
Sonoma	Central	506097	WZ2504	162.475	NORMAL
Sonoma	East	606097	KDX54	162.500	NORMAL
Sonoma	East	606097	KIH30	162.550	NORMAL
Sonoma	East	606097	KHB49	162.400	NORMAL
Sonoma	East	606097	WZ2504	162.475	NORMAL
Sonoma	Southwest	706097	KDX54	162.500	NORMAL
Sonoma	Southwest	706097	KIH30	162.550	NORMAL
Sonoma	Southwest	706097	KHB49	162.400	NORMAL
Sonoma	Southwest	706097	WZ2504	162.475	NORMAL

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County	Areas witin county	SAME Code	Transmitter	Frequency	Status
Sonoma	Southeast	906097	KDX54	162.500	NORMAL
Sonoma	Southeast	906097	KIH30	162.550	NORMAL
Sonoma	Southeast	906097	KHB49	162.400	NORMAL
Sonoma	Southeast	906097	WZ2504	162.475	NORMAL
Stanislaus	All	006099	KEC57	162.550	NORMAL
Sutter	All	006101	KEC57	162.550	NORMAL

As you can see from this list, Multiple transmitters are programmed with the Sonoma area breakdown and will transmit SAME messages to alert in only affected areas.

EVENT CODES:

In addition to just setting the county to alert for, you can also set event codes to alert for:

A **WARNING** is an event that alone poses a significant threat to public safety and/or property, probability of occurrence and location is high, and the onset time is relatively short.

A **WATCH** meets the classification of a warning, but either the onset time, probability of occurrence, or location is uncertain.

An **EMERGENCY** is an event that, by itself, would not kill or injure or do property damage, but indirectly may cause other things to happen that result in a hazard. For example, a major power or telephone loss in a large city alone is not a direct hazard, but disruption to other critical services could create a variety of conditions that could directly threaten public safety.

A **STATEMENT** is a message containing follow up information to a warning, watch, or emergency.

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The national weather service transmits emergency alerts via digital encoding on its transmissions. Everything ranging from flash flood information to civil disturbances.

An explanation of how it works can be found here:

https://www.weather.gov/nwr/nwr_warning

The link below list all of the events. They are programmable on weather receivers designed for that purpose.

https://www.weather.gov/nwr/eventcodes

The list is extensive and carries event types for the entire country

Continued on the next page.

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For our use in California, these codes below should be programmed into the radio for our use at field day:

Event codes to programming

EVENT	CODE	STATUS
Coastal Flood Watch	CFA	Operational
Coastal Flood Warning	CFW	Operational
Extreme Wind Warning	EWW	Operational
Flash Flood Watch	FFA	Operational
Flash Flood Warning	FFW	Operational
Flash Flood Statement	FFS	Operational
Flood Watch	FLA	Operational
Flood Warning	FLW	Operational
Flood Statement	FLS	Operational
High Wind Watch	HWA	Operational
High Wind Warning	HWW	Operational
Severe Weather Statement	SVS	Operational
Special Marine Warning	SMW	Operational
Special Weather Statement	SPS	Operational
Storm Surge Watch	SSA	Operational
Storm Surge Warning	SSW	Operational
Tsunami Watch	TSA	Operational
Tsunami Warning	TSW	Operational
Civil Danger Warning	CDW	Operational
Civil Emergency Message	CEM	Operational
Earthquake Warning	EQW	Operational
Evacuation Immediate	EVI	Operational
Fire Warning	FRW	Operational

And yes, some of them will leave you shaking your head until you look at where we will be this year for field day.

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Looking at the San Francisco Bay Area with Google maps, you will notice that Vallejo is almost level with San Pablo bay.

This means there is NO protection from winds coming off the bay, there is nothing to stop rapidly rising water that would come from the bay, virtually no shelter should winds become excessive, etc.

For our own safety, we should program at the very least those event codes into our NWS radio for emergencies.

Think about the codes you would program....

73

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This is the official ARRL Field Day Safety Officer Checklist.

These are the items that the Club Safety Officer will be looking for during our club field day.

ARRL Field Day Safety Officer Checklist

To qualify for the 100-point Safety Officer bonus (for Class A stations), a group must appoint a qualified person/s who are present at their site from the beginning of set-up until the end of break-down.

This form is NOT intended to be all inclusive.

The Safety Officer/s certify by submitting this form that due diligence was made to provide a safe operation.

[check (or circle) any/all that apply]

_____ Safety Officer/s or qualified designated assistant/s was on site for the duration of the event.

_____ Safety Message, ICS208 Form, posted at EACH site and the common area.

_____ Generators properly set up and the area around them cleared for 4 feet on all sides. (See the above discussion on generators.)

_____ Fuel for generator properly stored.

_____ Fire extinguisher on hand <u>at each individual generator in use</u> and appropriately located by the generator, separate from the site fire extinguisher.

_____ Extension cords to generators are at least 12guage, and clearly marked as a tripping hazard.

_____ Fire extinguisher on hand <u>at each individual site,</u> and appropriately located for easy access. Separate from the generator fire extinguisher.

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_____ Generalized First Aid kit on hand at EACH individual site.

_____ First Aid kit on hand at the Common Area.

_____ At least two (2) Fire extinguishers on hand at the common area, and appropriately located for easy access.

_____ First Aid - CPR - AED versed else trained participant/s on site for full Field Day period.

_____ EACH Individual Site has access to NWS alerts to monitor for inclement weather. A weather radio that will automatically alert for specific codes.

_____ Tent stakes properly installed and marked.
_____ Temporary antenna structures properly secured and marked.
_____ Site secured from tripping hazards.

_____ Site is set up in a neat and orderly manner to reduce hazards.

Continued on the next page.

_____ Stations and equipment properly grounded.

_____ Access to a means to contact police/fire/rescue if needed. ICS206 Form posted at each site

_____ Safety Officer is designated point of contact for public safety officials.

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_____ Minimize risks and control hazards to ensure no injuries to public.

_____ As necessary, monitoring participants for hydration and ensuring an adequate water supply is available.

_____ _____

Signature(s) / Call(s) Date

Revised 3/2022

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ICS206 and ICS208 Forms

Below are the ICS 206 Medical Plan and the ICS 208 Safety message plan.

Print them out, laminate them, and put them up at your camp site. Each site should have them posted.

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MEDICAL PLAN ICS 206

Incident Name:	**Operational Period:**
Field Day 2025	Date From: 06/27/2025 To: 06/29/2025 Time From: 1400 To: 1600

1. Medical Aid Stations:			
Name	Location	Contact Number(s)	Paramedics on Site?
Fairgrounds Staff	900 Fairgrounds Drive Vallejo, CA 94589	(707) 551-2000	Yes No X
			Yes No X
Vallejo Fire Department	970 Nimitz Avenue Vallejo, CA 94592	(707) 552-3285	Yes X No
			Yes No

2. Transportation (indicate air or ground):			
Ambulance Service	Location	Contact Number(s)	Level of Service
Medic Ambulance	506 Couch Street Vallejo, CA 94590	(707) 644-8989	ALS X BLS X
			ALS BLS

Prepared by (Medical Unit Leader): Name:_____ Signature:_____

Approved by (Safety Officer): Name: __Stephen__ Signature:_____

ICS 206 **PAGE 1**	**IAP Page _____**	Date/Time: _____

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MEDICAL PLAN ICS 206

Incident Name:	**Operational Period:**
Field Day 2025	Date From: 06/27/2025 To: 06/29/2025 Time From: 1400 To: 1600

3. Hospitals:					
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)	Trauma Center	Burn Center	Heli pad
Sutter Solano Medical Center	300 Hospital Drive Vallejo, CA 94589	(707) 554-4444	____Yes Level:___	☐ Yes ☐ No	☐ Yes ☐ No
Vallejo Medical Center Kaiser Hospital	75 Sereno Dr, Vallejo, CA 94589	(925) 813 6500	____Yes Level:_____	☐ Yes ☐ No	☐ Yes ☐ No
North Bay Medical Center	1200 B Gale Wilson Blvd Fairfield, CA 94533	(707) 646 5000	____Yes Level:_____	☐ Yes ☐ No	☐ Yes ☐ No
Adventist Health St. Helena	10 Woodland Road St Helena CA 94574	(707) 963 6425	____Yes Level:_____	☐ Yes ☐ No	☐ Yes ☐ No
			____Yes Level:_____	☐ Yes ☐ No	☐ Yes ☐ No

Prepared by (Medical Unit Leader): Name:_____ Signature:_____

Approved by (Safety Officer): Name: __Stephen__ Signature:_____

ICS 206 PAGE 2	**IAP Page _____**	Date/Time: _____

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MEDICAL PLAN ICS 206

Incident Name:	**Operational Period:**		
Field Day 2025	Date	From: 06/27/2025	To: 06/29/2025
	Time	From: 1400	To: 1600

4. Special Medical Emergency Procedures:

Prepared by (Medical Unit Leader): Name:_____ Signature:_____		
Approved by (Safety Officer): Name: __Stephen__ Signature:_____		
ICS 206 **PAGE 3**	**IAP Page** _____	Date/Time: _____

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SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: **Field Day 2025**	**2. Operational Period:** Date From:6/27/2025 Time From: 1400 Date To:6/29/2025 Time To: 1600

Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

Be aware of vermin that may be in the area

Be aware of thistle and foxtail clumps so you don't twist your ankle.wear sturdy hiking boots.

Watch out for guy lines from antennas, awnings and tents. Make sure they are clearly marked

Make sure tent stakes are clearly marked.

Be aware of the danger heat poses even if you don't feel hot. Drink water, at least 8 oz an hour.

Be observant of people around your area

Watch for fire. There should be several fire extinguishers at each site.

Watch out for each other

At night watch out for excessive cold from winds picking up and sun going down

Be aware of wind gust

4. Site Safety Plan Required? Yes X No _
Approved Site Safety Plan(s) Located At: EACH CAMPSITE , COMMON AWNING

5. Prepared by:
Name: Stephen Position/Title: SafetyOfficer Signature: _____

ICS 208 Page 1	**IAP Page _____**	Date/Time:_____

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SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: **Field Day 2025**	**2. Operational Period:** Date From:6/27/2024 Time From: 1400 Date To:6/29/2024 Time To: 1600

Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

Make sure there are minimal tripping hazards in the area and if so they are clearly marked.

Have your Class E hard hat, back brace, work gloves and safety goggles handy and easily accessible in case of an emergency.

If you have a RV or camper with a slide out wall, make sure you mark the area around the slide out so no one can walk into it in the dark

4. Site Safety Plan Required? Yes X No _
Approved Site Safety Plan(s) Located At: EACH CAMPSITE , COMMON AWNING

5. Prepared by:
Name: Stephen Position/Title: SafetyOfficer Signature: _____

ICS 208 Page 2	**IAP Page** _____	Date/Time:_____

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The Learning Corner

This month we will learn how to make an emergency VHF/UHF antenna for your station.

The parts you will need are:

1 package of Harbor Freight copper coated welding rods:

VULCAN 3/32 in. AWS ER70S-2 TIG Welding Rod, 1 lb.

These are copper clad rods. These are your driven element and your ground radials. You will need five (5) per antenna.

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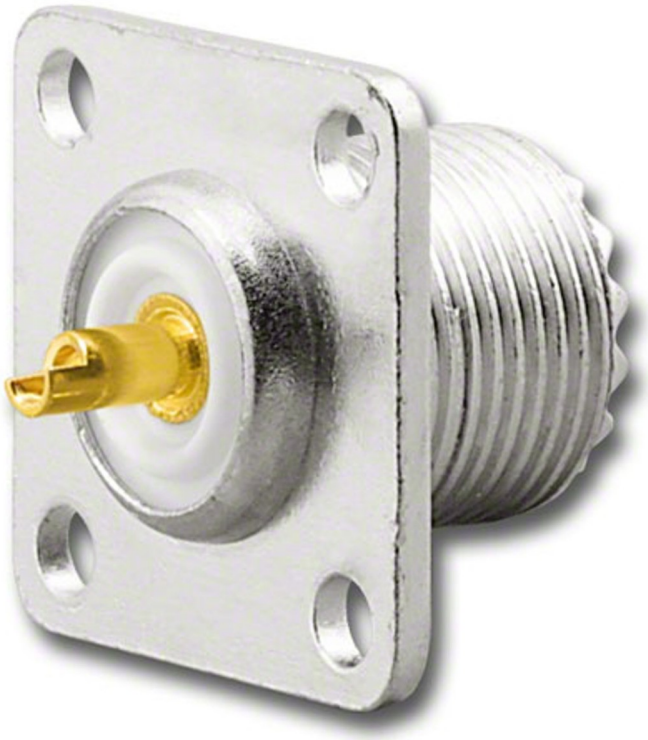
One (1) SO239 panel mount connector. It must have 4 holes on the flange.



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Miscellaneous tools:

Tape measure,
A hacksaw,
A razor knife.
Needle Nose Pliers,
Soldering Iron,
Solder,
A small pair of Vice Grips, (to hold the SO239 Connector in place while you are soldering the radial.)
Small piece of fabric to wrap around the threads of the SO239 connector.
Screwdriver for the round head bolts.

Miscellaneous parts:

1 inch - #6 Round Head Bolts,
#6 Nuts, 2 required for each bolt,
#6 Washers.

On to the measurements:

Using the trusty ½ wave formula — 468/Frequency, we can make the antenna easily and quickly.

For the Driven element in the MIDDLE of the two meter band use:
468/146.0 = 3.205.

We divide that in half since it is the entire half wave length – 3.205/2 = 1.602 giving us the quarter wave length we need.

Now we convert the whole number to inches 12 x 1 = 12.

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Now we convert the decimal portion to inches by multiplying 12 by the decimal number: 12 x 0.602 = 7.224.

We round the decimal portion of that calculation UP to the nearest quarter which is .25, giving us 7 and one quarter inches.

Now add 12 to 7 to get 19 and add the one quarter inch and you have 19.25 inches for the driven element.

Now for the ground radials.....

We take the quarter wave length of 1.602 and multiply it by 1.05 since we need to lengthen the radials slightly giving us: 1.602 x 1.05 = 1.682.

Again we convert the whole number to inches by the formula 12 x 1 = 12.

Again we multiply 12 by the decimal portion: 12 x 682 = 8.184 and again round UP the decimal portion to the closest quarter inch. Giving us 8.25 inches.

We add 12 to that giving us 20.25 inches for each ground plane element.

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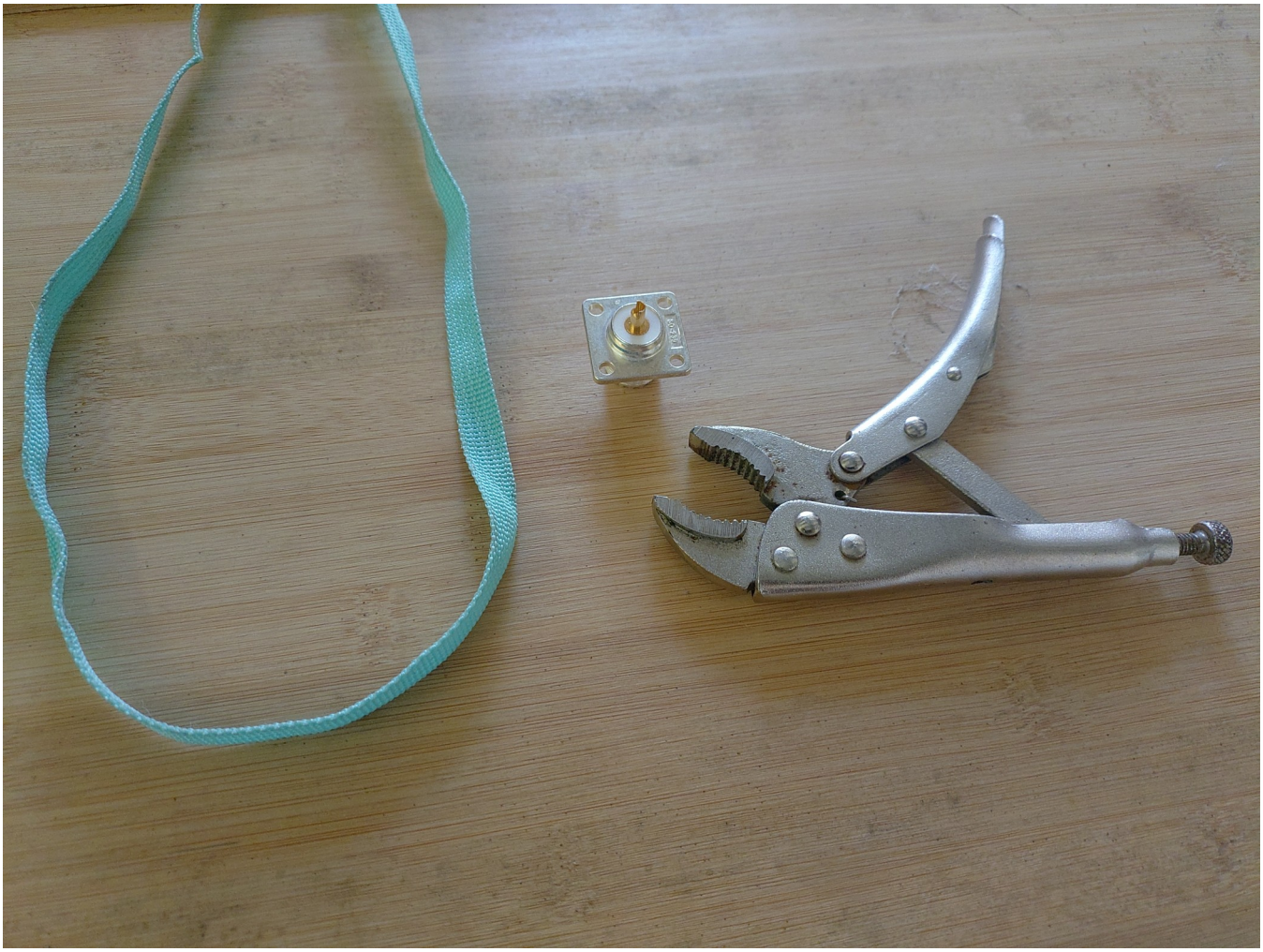
The pictures in the following demonstration are a mix of new and an old antenna that was already built. The old antenna shows considerable corrosion from the elements. It is meant only because I did not want to waste the materials remaking an antenna I already had.

Now on to the build:

We start with the vice grips, the cloth and the SO239 connector.



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Wrap the cloth around the threads of the SO239 connector.
I found a small dog leash works perfectly for this purpose.

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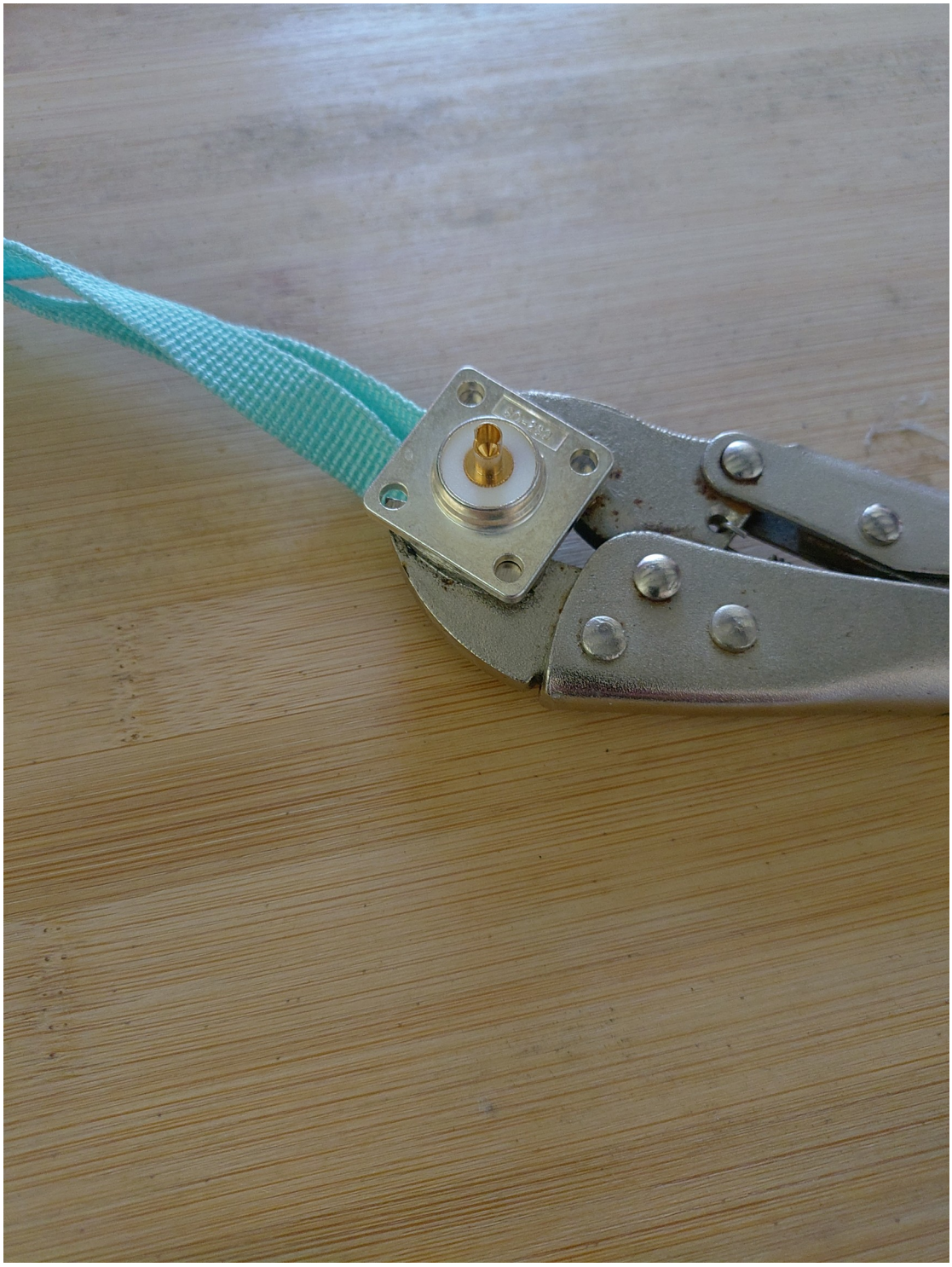
Loosely clamp the vice grips onto the threads of the SO239 connector to hold it in place. It may be sitting at an angle but that is ok.



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Taking your Copper coated welding rod, measure 19 and a quarter inches.
(In my picture I used a leftover cut piece of tape measure and started at 12 inches giving me the measurement of 31 and a quarter inches.)
(You can make it about another quarter to half inch longer to adjust it)

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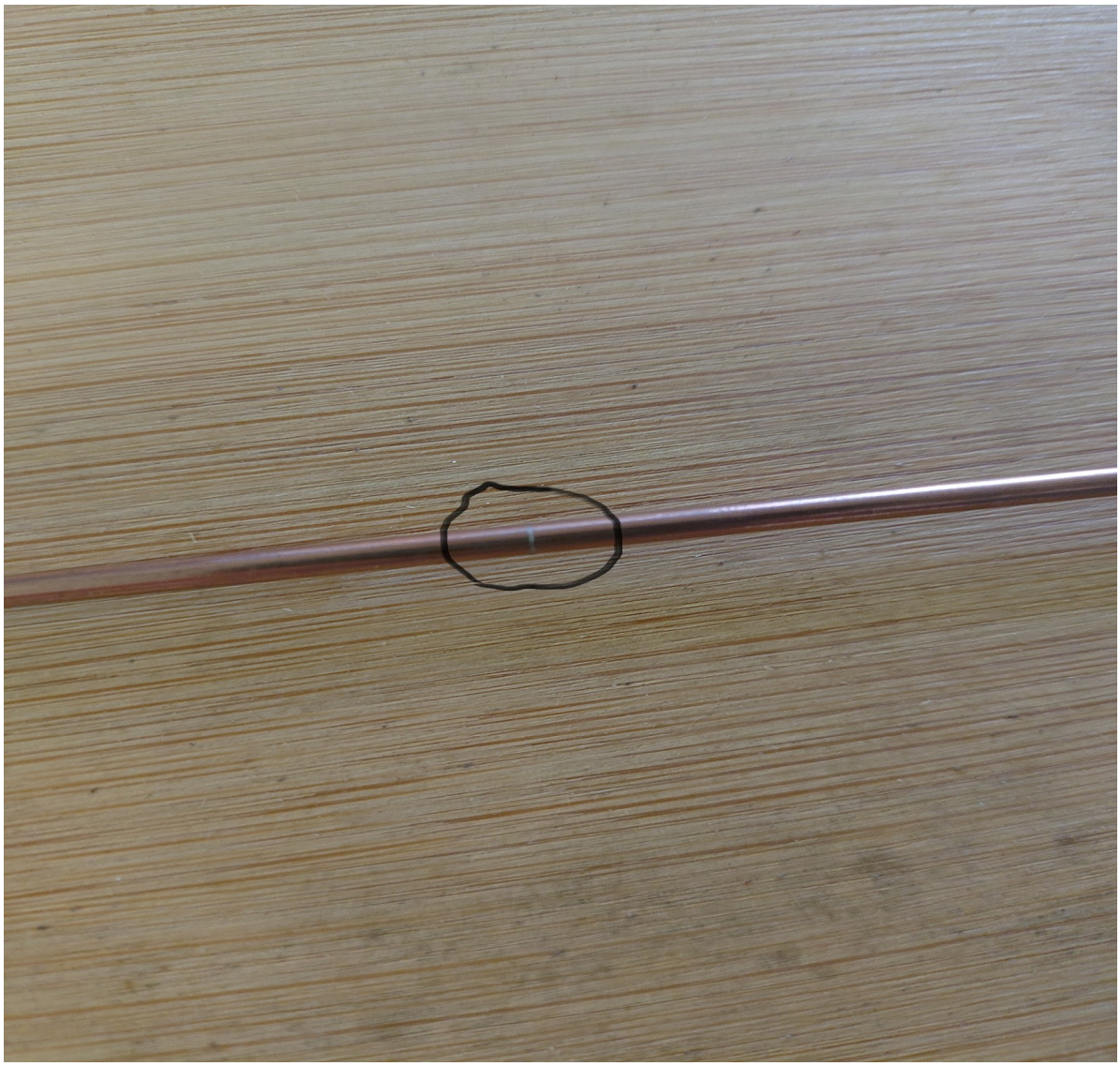
Use the razor knife to score the copper so you know where to cut the rod.



Using the hacksaw, cut the rod where the mark is.

Very lightly sand or scrape the rod so you have clean copper to solder to.
(Mine doesn't look that clean but it worked.)

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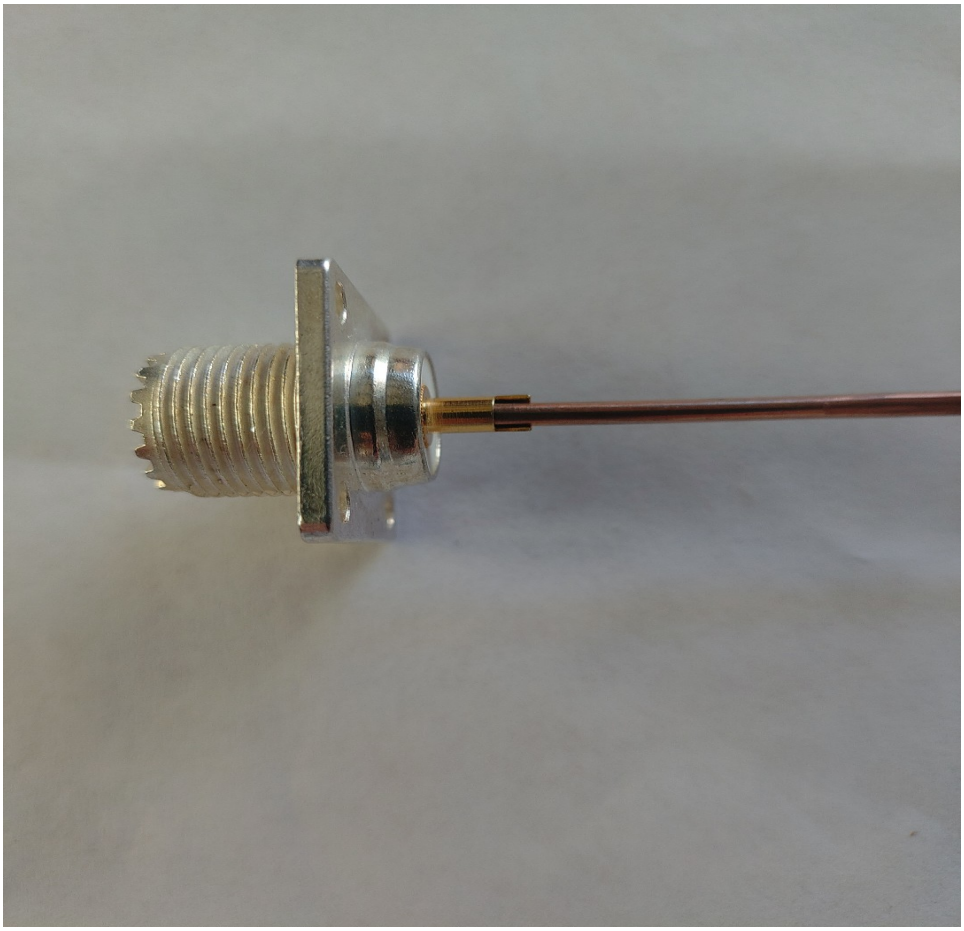
Insert the rod into the center conductor of the SO239 connector and solder it in place making sure it is vertical to the connector. (It wont affect it if it leans, it just looks neater.)



Wait for the connector to completely cool. Then you can remove the vice grips and cloth from it.

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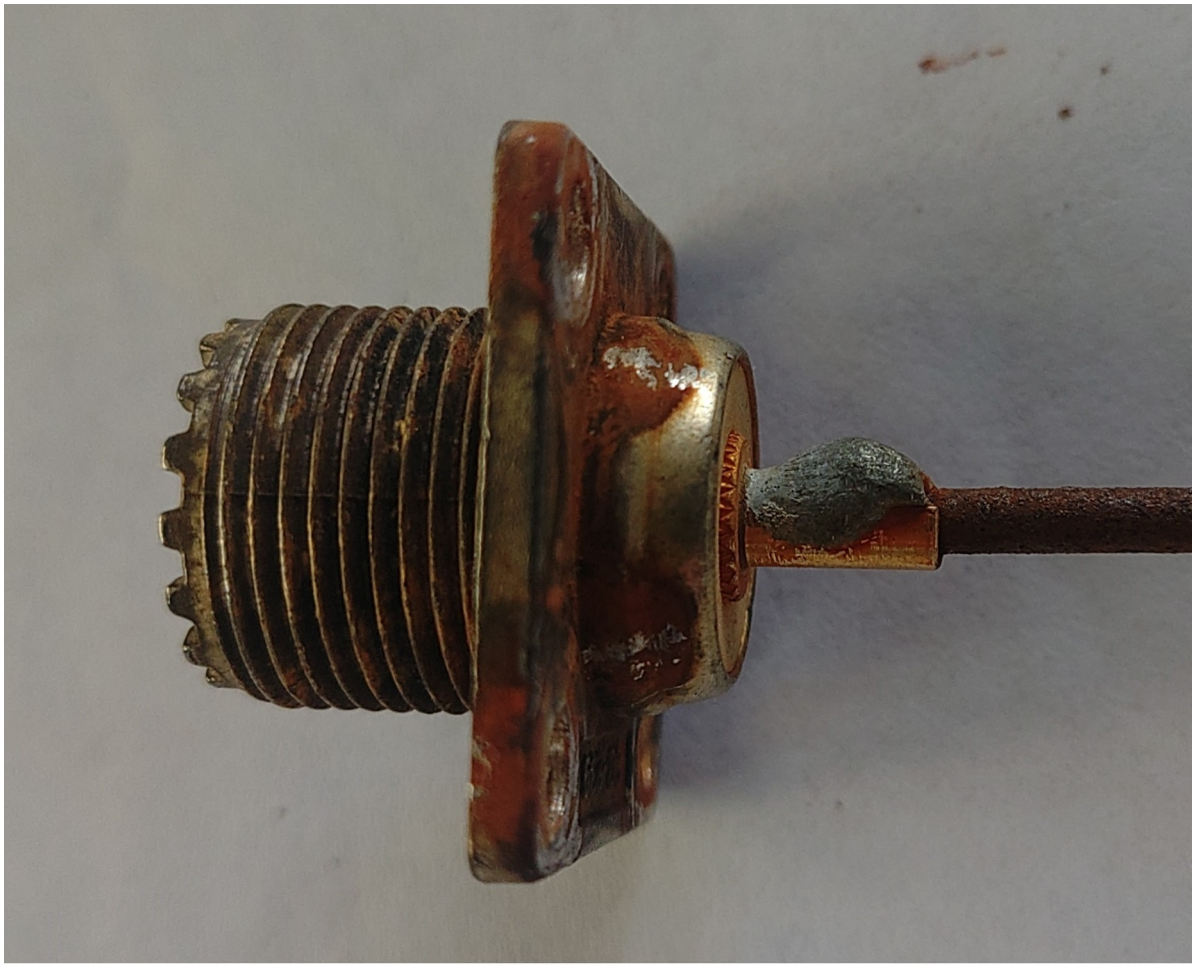
(This is an older one that has been hanging around for about 2 years, but it shows the rod soldered in place. It also shows how quickly the elements can corrode all of it.)



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While it is cooling prep the ground plane radials. Taking four (4) of the rods, measure each rod to 20 and a quarter inches. You can again make them a little longer it wont hurt anything.

(Again because I was using a leftover piece of measuring tape, for me it was 32-1/4 inches

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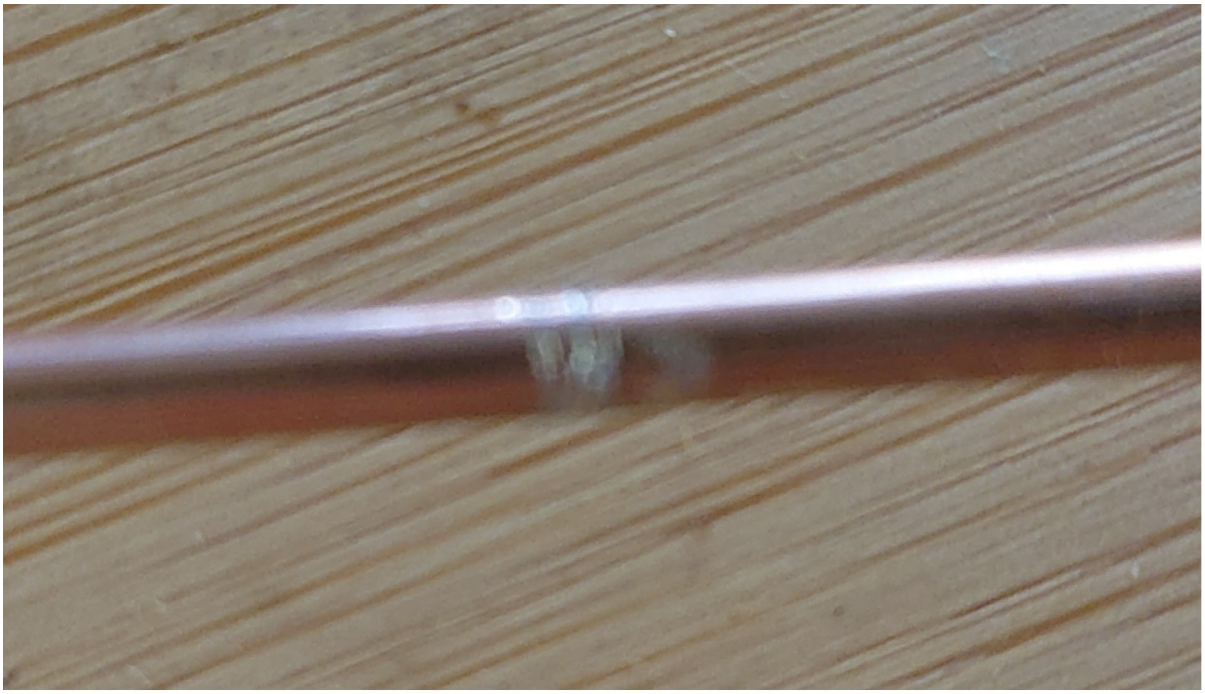
Mark each rod with the razor knife.



Sorry it is blurry I couldn't get it to stay in focus.

Cut each rod at the mark using the hacksaw.

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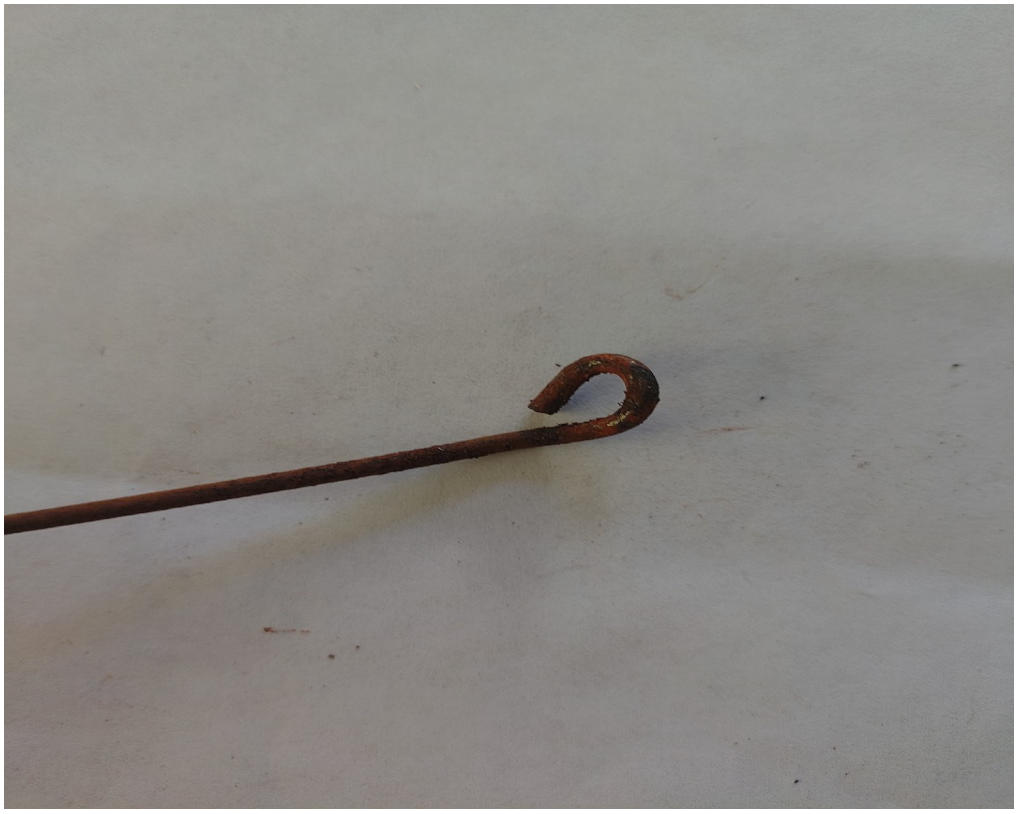
After cutting the rods, take one rod and, using the needle nose pliers, VERY SLOWLY....make a small loop at the end of the rod. If you bend the rod too quickly it will snap and you will have to re-measure and re-cut a new rod. (This is an older rod. As with the picture earlier, they are slightly corroded)



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The loop just needs to be large enough for a #6 bolt to slide through semi tightly. (It should just slide through with no wiggle.)

Do the same for the remaining three rods.

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Now taking one of the number 6 bolts, slide it through the mounting hole on the thread side.

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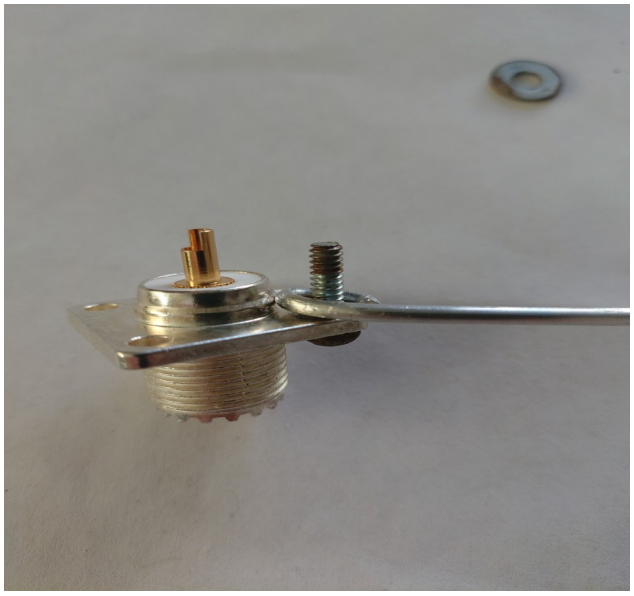
Slide one of the rods over the bolt.



Slide a washer over the bolt

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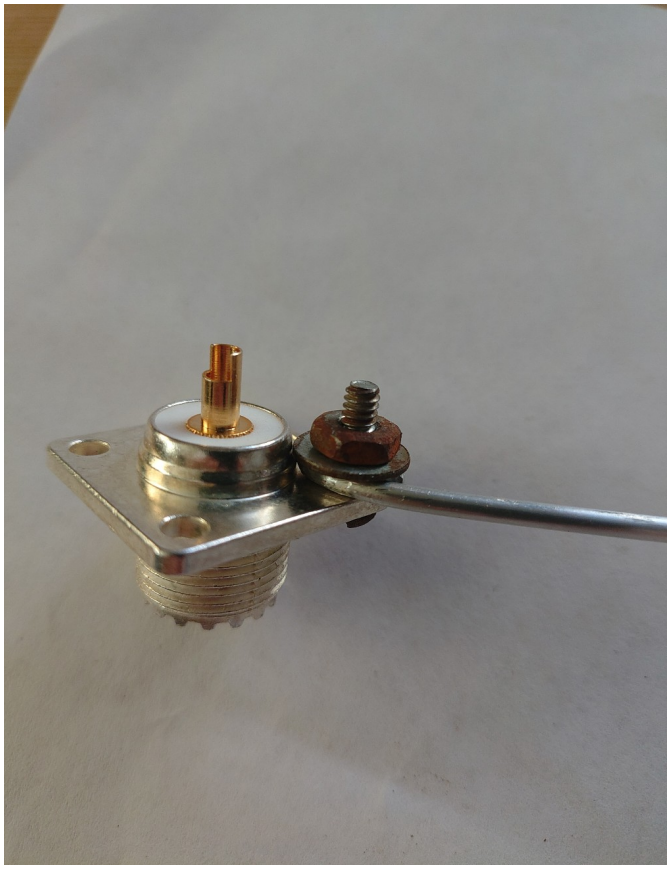
Thread one nut onto the bolt and tighten it down firmly so it is as tight as you can make it.



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Thread the second nut onto the bolt and tighten it down firmly against the first bold. This is a lock nut. It is there to keep the first bolt from loosening due to vibration.

Do the same for the three remaining rods.

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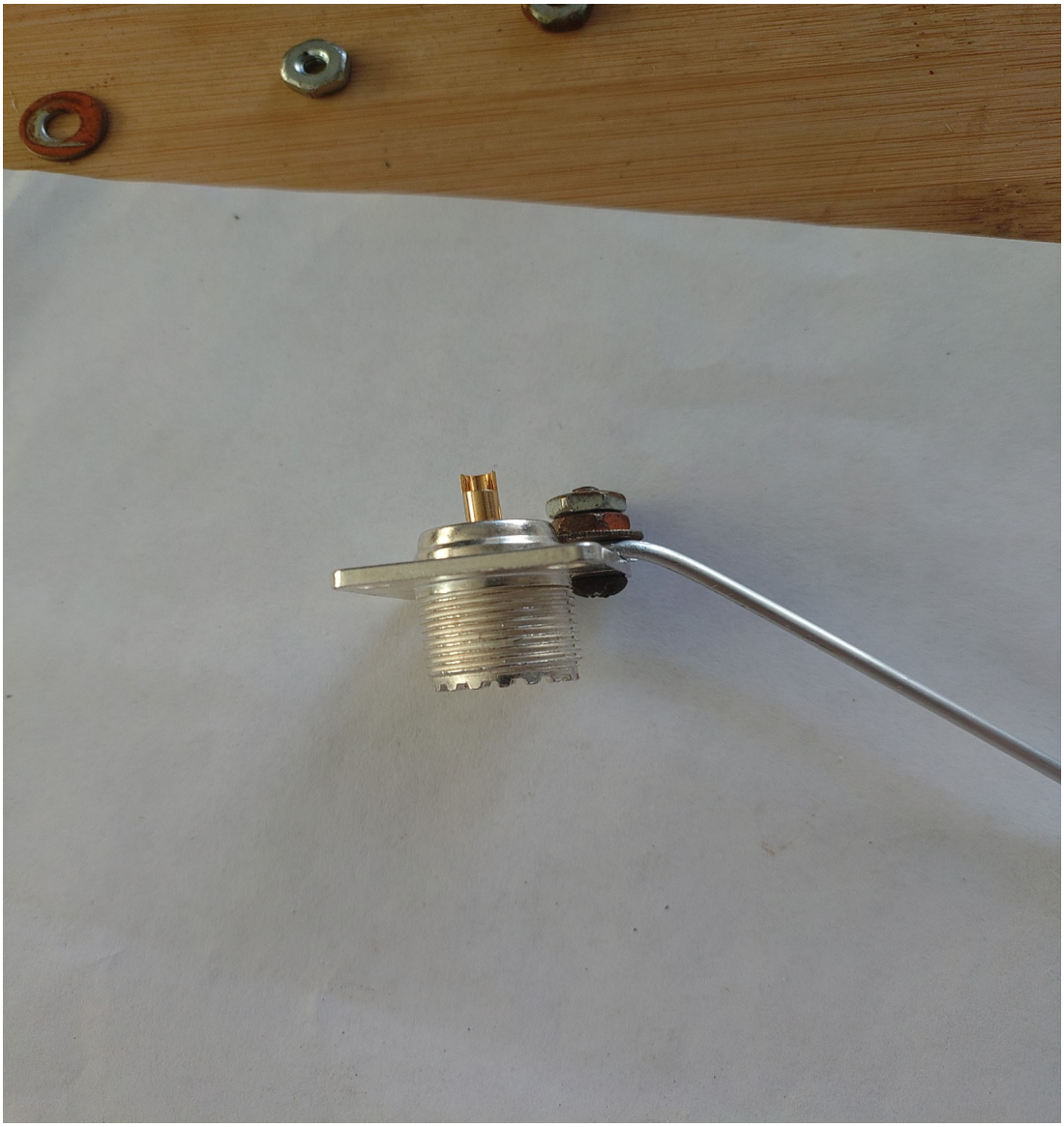
Once all the ground rods are on, bend them down at a 45 degree angle.



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Your antenna is finished!

Check it with an SWR meter or a VNA and you should be fairly close to 1.5:1 for your SWR. Adjust the driven element as needed.

Your build is complete! Good work!

73

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Links for equipment and parts for your Station

This will be by no means a complete list, and you should verify if what you need is available.

Obviously, I am going to start with amateur radio suppliers such as:

Ham Radio Outlet

DX Engineering

Gigaparts

Next are antenna parts suppliers:

American Radio Supply

Amateur Radio Supplies

Continental Steel

Stock Car Steel

Aluminum Wholesalers

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And electronics parts suppliers:

Mouser Electronics

Jameco Electronics

Arrow Electronics

Digikey Electronics

Newark

Elliott Electronic Supply

Test Equipment:

Test Equipment Depot

Siglent Technologies

Jameco Electronics

Fluke

As I have said this is by no means a complete list but you should recognize most names on the list.

73

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Recurring Club Meetings and Events
June 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 Club Net	4	5 Cow Town	6	7
8	9	10 Club Net	11	12 Cow Town Club Meeting	13	14 KK6ZJC Ecomm training 1900 hrs
15	16	17 Club Net	18	19 Cow Town	20	21 KK6ZJC Zoom Morse Code Practice 1900 hrs
22	23	24 Club Net	25	26 Cow Town	27 FIELD DAY SETUP	28 FIELD DAY
29 FIELD DAY ENDS	30	1	2	3	4	5
6	7	8	9	10	11	12

Monthly Meetings are held at the Nut Tree Airport Vacaville CA	KK6ZJC can be reached by email at srb6101@gmail.com.	

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Information About Recurring Club Meetings and Events

The club net is at 2000 hours EVERY Tuesday using the W6VVR Repeater:

Receive 145.470 Transmit 144.870 CTCSS Tone 127.3

The Club Cow Town is a general rag chew every Thursday on the W6VVR Repeater. It starts about 1000-1030 local time using the same frequencies as above,

The monthly Club meeting is always held the second Thursday of the month at the Nut Tree Airport. The meeting starts at 7PM local time and generally runs through about 9PM. Directions to the meeting can be found at the end of the newsletter.

Every Saturday the same week as the club meeting at 1900 hours local time KK6ZJC will be using zoom to practice passing messages.

Anyone wishing to join in contact KK6ZJC by email at srb6101@gmail.com.

Please put ECOMM TRAINING in the subject.

I will generally check my emails right through Saturday night about 1830 hours local time. After 1915 hours if no one joins the meeting, I shut Zoom down

It is a great way to learn how to pass messages using the ICS-213 form, or practicing sending messages for the general public using the ARRL forms.

I will be running a zoom session on the third week of the month for anyone that wants to do practice session for Morse code. If you send an email to srb6101@gmail.com and let me know I will send a link to the zoom meeting.

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Special Club Meetings and Other Events in the area

I am listing all special events the club is looking for volunteers to assist in, fox hunts, or events out of the ordinary.

Field Day 6/27/25 –6/29/25

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Contest

Below is link to a great contesting website by fellow Amateur Radio Operator Bruce Horn, WA7BNM

https://contestcalendar.com/

The calendar list contest in multiple ways.

It is easy to use and regularly updated.

Hope that it helps you with your contesting!

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The Club Repeater(s)

The Vaca Valley Radio Club sponsors repeaters on several bands.

The club provides some financial support, but the owners provide a substantial portion of the cost of their operation.

The efforts of the owners are greatly appreciated.

The main repeater for the club is: Call Sign: W6VVR

Output Frequency: 145.470MHz
Input Frequency: 144.870MHz
Offset Frequency: 600KHz
Offset Direction: Minus
CTCSS tone (P.L.): 127.3Hz

Vaca Valley Radio Club Sponsored Repeaters
As Of November 1, 2023

Rptr Out	Offset	P.L.	Call/ Location	Linked Repeaters
145.470	Minus 600 KHz	127.3	W6VVR Mt Vaca	Linked to 441.650 MHz
440.025	Plus 5 MHz	127.3	WV6F Mt Vaca	
441.650	Plus 5 MHz	100.0	N6VLF Fairfield	Linked to 145.470 MHz
145.140	Minus 600 KHz	700.0 DG-ID 00-00	Moderate level	Can operate Yaesu Fusion AMS Can be linked to 145.470 MHz or 441.650 MHz

Visitors are welcome to use the repeaters.

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EchoLink and AllStar Nodes

The Vaca Valley Radio Club operates both an EchoLink and an Allstar Nodes that link to the clubs main repeater on 145.470 MHz on top of Mt Vaca.

NOTE: EchoLink is UP, Allstar node is UP.

Call Sign: W6VVR

EchoLink Node 454 312 W6VVR-R

Allstar Node 51 094

Visitors are welcome to use the nodes.

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2025 Officers:

President:	Servando Miramontes	K6SRV
Vice President:	Dan Martin	N6ETR
Treasurer:	Brian Steinberg	KB0A
Secretary:	Mike Gregory	WB6WYF

2025 Board of Directors:

Art Aronsen	WD6BQX
Chris Swanson	KJ6DLF
Mike Rogers	KN6MIO
Stephen Bartels	KK6ZJC

Net Control Operators

1st Week Of The Month	Bob Hawkins	KM6BXZ
2nd Week Of The Month	Chris Swanson	KJ6DLF
3rd Week Of The Month	Frank Garay	KJ6RWQ
4th Week Of The Month	Dan Martin	N6ETR
5th Week Of The Month	Dan Martin	N6ETR

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VOLUNTEER POSITIONS:

Membership	Bryan Steinberg	KB0A
Repeater Trustee	Brian Hagen	KK6BXP
Repeater Committee Chair	Brian Hagen	KK6BXP
Newsletter Editor	Stephen Bartels	KK6ZJC
Webmaster	Bryan Steinberg	KB0A
Net Control Coordinator (Filled by the Vice President as per the Club Constitution)	Dan Martin	N6ETR
Activities Committee Chair	Don Preston	KM6INR
Monthly Message Passing Practice Net	Stephen Bartels	KK6ZJC
Foxhunt Coordinator	Stephen Bartels	KK6ZJC
Parks on the Air Coordinator	Servando Miramontes	K6SRV
Bicycle Events Coordinator		
Parade Events Coordinator		
Winter Field Day Committee		
Dixon Mayfair Parade	Servando Miramontes	K6SRV
June Field Day Committee		

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Volunteer Positions (Continued)

Dia De Los Muertos	Servando Miramontes	KK6ZJC
Merriment on Main (Vacaville)		
Dixon Tree Lighting		
Fairfield Tree Lighting		
December Meeting		
Public Information Officer		
Winlink Committee Chair		
FL-Digi Committee Chair		
Morse Code Training Sessions		
AREDN Committee Chair		

We still have numerous committees that need chairpersons and volunteers for the upcoming year (2025). (See the list above.) They need to be filled for the upcoming year by younger volunteers and those with experience to guide the club forward into the future.

This is your club. You can make it a great club by participating in meetings, events, and nets, or you can watch the club wither away and die from lack of participation by ALL members.

It is in your hands, are you going to watch the club end? Or, are you going to jump in and help steer the club forward to the future?

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Vaca Valley Radio Club, Inc

Membership Application/Renewal Form

November 2019 Dues are payable annually.

New Members Please Fill in All Fields Completely
Renewing Members Please Provide Name and Call Sign,
Other Fields *Only if there are changes*

Member Information

FCC Name:_____

Street:_____

Street 2:_____

City:_____

State:_____ Zip-Code+4:_____

Home Phone:_____

Cell Phone:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Payment Information

Member Dues: $25.00 _____

Additional Family Members: $2.00 _____

Student: $5.00 _____

Repeater Donation: _____

Total:_____$_____

Paid by Check: $_____

Check number: _____

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Family Member (Spouse or Children)

FCC Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Family Member (Spouse or Children)

FCC Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Family Member (Spouse or Children)

FCC Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Family Member (Spouse or Children)

FCC Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Family Member (Spouse or Children)

FCC Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

Family Member (Spouse or Children)

Name:_____

Call Sign:_____

License Class:_____

ARRL Member?_____

Member No:_____

Name Badge Name_____

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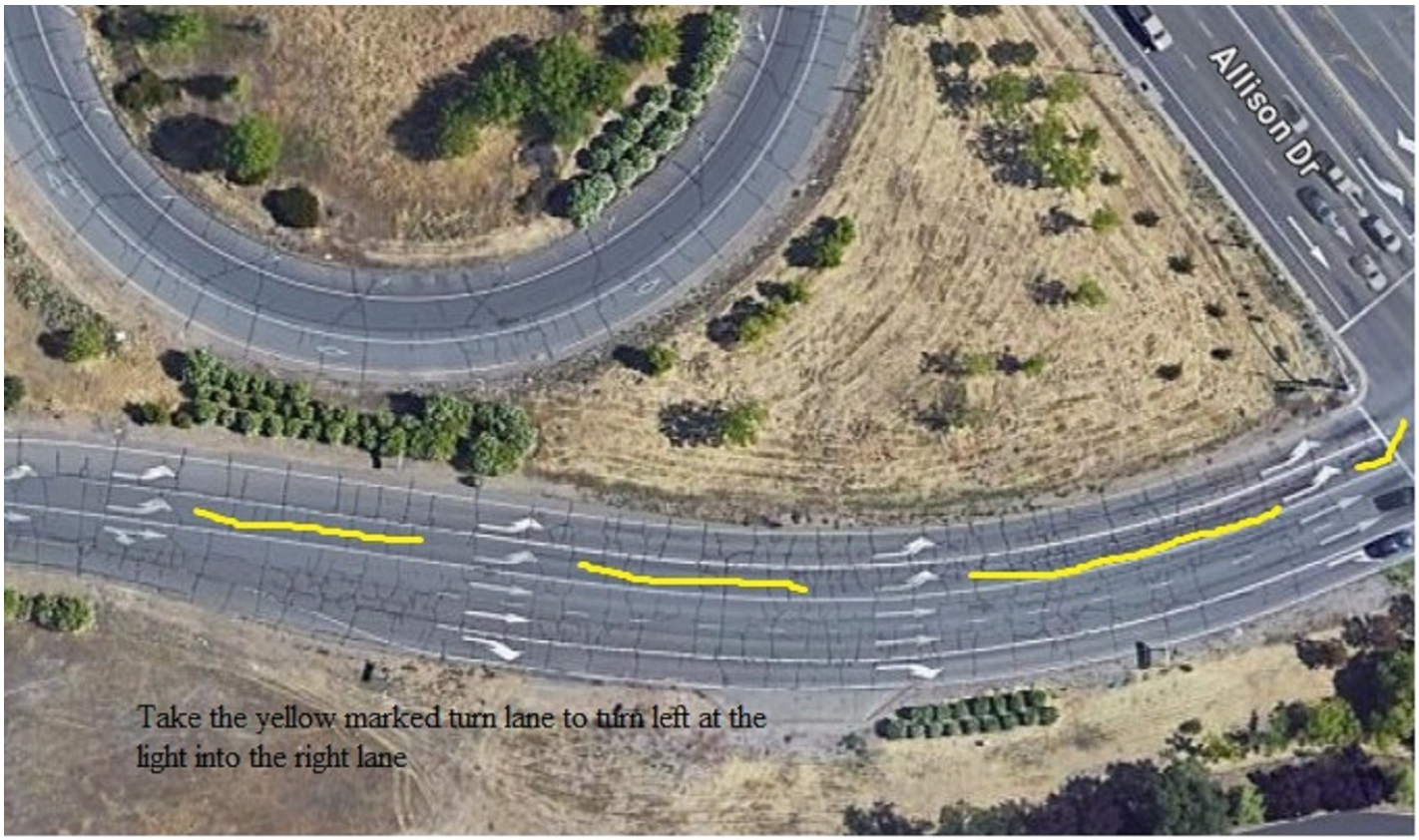
Directions To the Monthly Meeting from Fairfield, Suisun City And Other Areas West of Vacaville

Coming from Fairfield: Take Highway 80 East Bound. Take exit 55 Nut Tree Parkway / Allison Drive. Stay to the left and enter the right left turn lane



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Turn left from the right turn lane and stay in the right lane. Be careful not to get back on the highway entrance.

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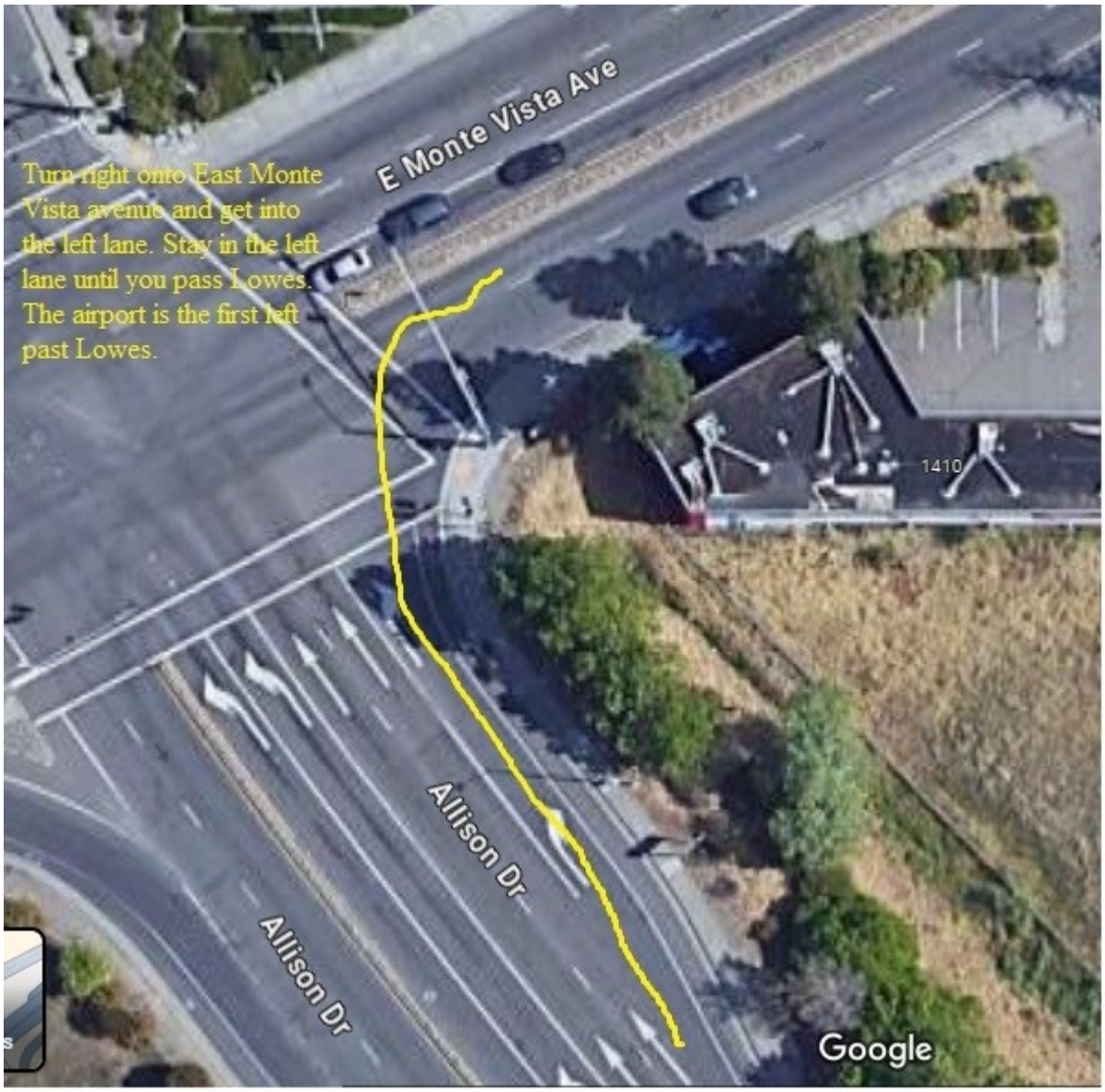
Go over the overpass and make the right turn onto East Monte Vista Avenue.



Get in the left lane of E Monte Vista Avenue and drive East until you pass Lowes.

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The airport is immediately past the Lowes Parking lot.

Turn left and drive to the airport parking lot on your right.

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Directions To The Monthly Meeting From Dixon, Sacramento And Other Areas East of Vacaville

Coming West from Dixon take the E Monte Vista Avenue exit, (exit 55)

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Take the Right turn Lane at the exit

Stay in the right lane until the light.

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At the light turn Right and get into the left lane.

After making the right turn, get into the left lane and drive East until you see Lowes.

Turn left and drive to the airport parking lot on your right.

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